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**GROUND-WATER RESOURCES
OF PARKER COUNTY, TEXAS**

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ABSTRACT

This report describes the geology and ground-water resources of Parker County in north-central Texas. The county has an area of 904 square miles and is drained by the Brazos and Trinity Rivers. The rocks discussed belong to the Pennsylvanian, Comanche, and Recent series.

The Pennsylvanian rocks exposed in the county are, from oldest to youngest: the Millsap Lake formation, the Garner formation, and the Mineral Wells formation of the Strawn group; and the Palo Pinto limestone of the Canyon group. These rocks dip northwestward and in general do not yield large quantities of fresh water to wells.

Rocks of the Comanche series exposed in the county are, from oldest to youngest: the Travis Peak formation, the Glen Rose limestone, and the Paluxy sand of the Trinity group; the Walnut clay, the Goodland limestone, and the Kiamichi formation of the Fredericksburg group; and the Duck Creek limestone of the Washita group. These rocks dip predominantly eastward.

East of the outcrop of the Trinity group, practically all the water used is supplied by water-bearing sands in the Travis Peak formation and the Paluxy sand. The rocks of the Fredericksburg and Washita groups do not yield water to wells.

Recent alluvium, which occurs along the Brazos and Trinity Rivers, yields small supplies of water to wells in the Brazos River flood plain.

All the domestic, stock, and public supplies are obtained from wells, except in those areas where ground water of satisfactory chemical quality cannot be found. In those areas cisterns and small surface reservoirs (tanks) are used to store rainfall. The maximum daily withdrawal of ground water for public-supply, domestic, and farm and stock uses is estimated to be 2,625,000 gallons, distributed as follows: public supply, 1,000,000 gallons; domestic, 300,000 gallons; farm and stock, 1,325,000 gallons.

The field data upon which most of this report is based are given in tables. They include records of 340 wells and chemical analyses of water from 129 wells. Logs of 29 water wells and 40 holes drilled to test for oil and gas are also given.

INTRODUCTION

LOCATION AND GENERAL FEATURES OF THE AREA

Parker County is in north-central Texas. Weatherford, the county seat, is about 27 miles west of Fort Worth. The county has an area of 904 square miles and is almost square. It is bounded on the north by Jack and Wise Counties, on the east by Tarrant County, on the south by Johnson and Hood Counties, and on the west by Palo Pinto County. The land surface is generally hilly and ranges from about 700 feet to about 1,400 feet above mean sea level. In general the surface slopes from northwest to southeast. The eastern and northern parts of the county are drained by tributaries of the Trinity River, and the western and southern parts are drained by tributaries of the Brazos River. According to the United States Bureau of the Census, the county had a population of 21,479 in 1950. Weatherford, the only large town in the county, had a population of 8,053.

PURPOSE AND SCOPE OF INVESTIGATION

The investigation in Parker County was made during the fall of 1949 and the spring of 1950, to obtain data regarding the quantity, quality, movement, and availability of ground water. The investigation was part of a cooperative State-wide study of the ground-water resources of Texas by the Texas Board of Water Engineers and the U. S. Geological Survey. The records obtained during the field study, and a brief discussion of the geology and occurrence of ground water, are given in this report.

Information pertaining to typical water wells in Parker County is given in table 3. The numbers in the first column of the table correspond to well numbers on the well map (pl. 1), to the table of chemical analyses, and to the list of drillers' logs. The map of Parker County has been divided into grids, lettered A, B, C, D, E, F, G, H, and J, starting in the northwest corner, each grid having a separate set of numbers.

PREVIOUS INVESTIGATIONS

Hill (1901, pp. 455-457) discussed the geography and geology of Parker County, the principles governing the occurrence of ground water, and the quality of the water. Maps in his report show the surface geology and the locations of artesian wells. They also show the outcrops of, depths to, and areas of artesian flow from the Travis Peak formation and the Paluxy sand in Parker County.

Records of a few wells in the vicinity of Garner were obtained by Turner (1934) in March and September 1931, when he made an investigation in the Mineral Wells area in Palo Pinto County regarding the occurrence of the mineralized water for which Mineral Wells is famous.

Bennett (1941) made a brief investigation in 1941 of the ground-water resources at the city of Weatherford. At that time the water supply of the city was obtained largely from two wells owned by the city, but in part from a well owned by the Texas Utilities Co. Water was obtained from sands in the Travis Peak formation.

ACKNOWLEDGMENTS

Appreciation is expressed to the city officials of Weatherford, to well drillers, and to well owners who contributed information for this report.

The field work was done and the report was prepared under the general supervision of W. L. Broadhurst, district geologist in charge of ground-water investigations in Texas.

PRECIPITATION

According to records of the U. S. Weather Bureau, the average annual precipitation at Weatherford during the years 1890-1949 was 31.67 inches. The greatest precipitation occurs in April, May, and June. The annual snowfall rarely exceeds 1 or 2 inches. The following table gives the average monthly precipitation at Weatherford.

Table 1.- Average monthly precipitation, 1890-1949, at Weatherford, Tex.

Month	Precipitation (inches)	Month	Precipitation (inches)
Jan.	1.88	July	2.29
Feb.	1.85	Aug.	2.26
Mar.	2.27	Sept.	2.50
Apr.	3.55	Oct.	2.59
May	5.05	Nov.	2.00
June	3.28	Dec.	2.15
		Year	31.67

GENERAL PRINCIPLES OF THE OCCURRENCE AND MOVEMENT OF GROUND WATER

The fundamental principles of the occurrence and movement of ground water have been presented in papers by Meinzer (1923a, 1923b, 1931) and Meinzer and Wenzel (1942), and others. The discussion that follows is a brief outline of those general principles.

The rocks that make up the outer crust of the earth are not entirely solid but have numerous openings which are called voids or interstices. The interstices range in size from microscopic openings to huge caverns such as are found in some limestones. The open spaces generally are connected so that water may move from one to another, though in some rocks the openings are isolated or are so small that the water has little or no chance to circulate. The number, size, shape, and arrangement of the interstices depend upon the character of the rocks. The voids in the formations below the zone of saturation make up the underground reservoir, and the occurrence of ground water in any region, therefore, is determined by the geology.

Below certain levels in the earth's crust, the permeable rocks generally are saturated with water and are said to be in the zone of saturation. The upper surface of the zone of saturation is called the water table. The rocks above the water table are in the zone of aeration, where the pores in the material may be filled in part with water and in part with air.

The zone of aeration may be divided into three subzones, in downward succession the soil zone, intermediate zone, and capillary zone or fringe. Most plants derive water from the soil zone; some, however, in shallow water-table areas, especially in regions where the rainfall is deficient, habitually obtain their water supply either directly from the zone of saturation or from the capillary fringe.

The porosity of a rock may be defined as its property of containing interstices; it may be expressed as a ratio between the volume of voids in the rock and the total volume of the rock itself. The porosity of a rock determines only the amount of water a given rock can hold, not the amount it may yield to wells. The permeability of a rock relates to its capacity to transmit water under hydraulic head.

The term specific yield is used to designate the water that is free to drain out of the material under natural conditions. It may be expressed as a percentage of the total volume of rock from which the water drains.

Ground water occurs in two ways. In one it has passed beneath an impermeable body of rock so that it is confined and under pressure, whereas in the other it is not. In the first case, the water will rise in wells above the level at which it is encountered, and it is called confined or artesian water. If the water in a well tapping an artesian aquifer rises above the surface of the ground, the well is called a flowing well. If the water is unconfined, no appreciable rise takes place and the upper surface of the body of ground water is the water table.

Ground water is derived chiefly from rain and snow. A part of the precipitation runs off in streams, a part is returned to the atmosphere by evaporation and by transpiration of trees and other plants, and a part sinks downward to the zone of saturation and becomes ground water.

In most places ground water is slowly but steadily moving under the influence of gravity from areas of intake to areas of discharge. The rate of movement is proportional to the permeability of the water-bearing medium and the slope of the water table or artesian pressure surface, which slope is called the hydraulic gradient.

The water levels in most wells fluctuate to a varying degree. These fluctuations are due to many different causes, but most of them are manifestations of a change in the ratio between the rate of ground-water intake or recharge and the rate of loss or discharge. Most water-table wells are supplied in part from intake areas close at hand and respond with only a moderate lag to changes in rainfall. In very shallow wells the water level may rise several feet after heavy rains and decline until the wells go dry during prolonged droughts. Artesian wells that draw from sand or sandstone at considerable distances from the outcrops of the water-bearing beds seldom are affected substantially by seasonal or yearly changes in rainfall, although they may respond to the effect of a series of wet or dry years. Fluctuations in pressure in such wells and accompanying rise and fall in water levels are caused by withdrawals of ground water from the well itself or from other wells, and by changes in atmospheric pressure or in the loading of the earth's crust.

When a well is pumped or allowed to flow the water level in the well drops, and a hydraulic gradient is developed toward the well from all directions. As the hydraulic gradient increases, the water flows faster toward the well. Within limits, the rate at which water will enter the well varies directly with the amount the water level is lowered. The ratio of the yield of a well to the drawdown is called the specific capacity and may be expressed as yield in gallons a minute per foot of drawdown. For example, if the water level in a well is lowered 20 feet by pumping 20 gallons a minute without exceeding the capacity of the formation to transmit water, the water level would be lowered about 10 feet while pumping 10 gallons a minute. The specific capacity for such a well would be 1 gallon a minute per foot of drawdown.

Heavy withdrawals of ground water are sure to be accompanied by a general lowering of the water table or artesian pressure, a cone of depression gradually spreading in all directions from the center of pumping until large areas may be affected. However, this is usually considered not very serious unless the rate of decline persists without a corresponding increase in the rate of pumping or the trend is such as to indicate that the pumping lift may eventually exceed the economic limit.

GEOLOGIC FORMATIONS AND THEIR WATER-BEARING PROPERTIES

Rocks of the Pennsylvanian series crop out in the extreme western part of Parker County and are represented by the Strawn and Canyon groups. These rocks dip generally northwestward at the rate of about 70 feet to the mile.

Rocks of the Comanche series underlie all of Parker County, except the western part and narrow strips along the major streams, and include the water-bearing sands in the Trinity group. These sands dip eastward at the rate of about 30 feet to the mile. The outcrops of the sands in Parker County are parts of the intake areas for the underground reservoirs that supply water, not only to wells in Parker County, but to wells that yield larger quantities of water in the Fort Worth-Dallas area.

Much of the geologic information given in this report is based on works by Hill (1901), Scott and Armstrong (1930 and 1932), Sellards, Adkins, and Plummer (1932), Bay (1933), and Plummer and Hornberger (1935).

The formations that crop out in Parker County, from youngest to oldest, are tabulated and briefly described in table 2.

PENNSYLVANIAN SERIES

Pennsylvanian rocks that crop out in Parker County do not yield large quantities of water to wells. Generally, the water from these rocks is too highly mineralized for most uses.

STRAWN GROUP

The Millsap Lake formation, the oldest formation exposed, crops out in the southwestern part of the county and is composed of shale, sandstone, and limestone. The outcrop extends from the southwest corner of the county as far north as Millsap. The formation yields small supplies of fresh water in some places; however, in general it cannot be relied upon to supply water of good quality.

The Garner formation crops out west and north of Millsap. The Brazos River conglomerate member is the uppermost member of the Garner formation and is the only member of the formation that supplies water to wells. It consists of tightly cemented massive coarse-grained sandstone and conglomerate and ranges in thickness from 25 to 100 feet. Several layers in the conglomerate are somewhat permeable, but the greater part of the water must circulate along bedding planes and through joints. Bay (1933, p.156) reports this conglomerate to be tightly cemented with silica and iron oxide. Turner (1934), reports that wells finished in this conglomerate generally find a good supply of moderately mineralized water.

Table 2.- Summary of rocks exposed in Parker County, Tex.

System	Series	Group	Formation	Maximum thickness attained (feet)	Character	Water-bearing properties
Quaternary	Recent		Alluvium	35±	Sand and gravel along Brazos River; sand and Cretaceous fossils along Clear Fork of Trinity River.	Yields small supplies of fresh water along Brazos River valley.
Cretaceous	Comanche	Washita	Duck Creek limestone	12	Marl and limestone.	Yields no water to wells.
		Fredericksburg	Kiamichi formation	43	Clay and flaggy limestone.	Do.
			Goodland limestone	120	Blue to gray limestone and clay; clay turns white on exposure.	Yields no water to wells. Small seep at base.
			Walnut clay	30	Limestone shell agglomerate.	Yields no water to wells.
		Trinity	Paluxy sand	150	Fine-grained sand and a few varicolored clay beds; thin beds of lignite, and petrified wood.	Yields water of good quality to many domestic wells.
			Glen Rose limestone	250	Massive limestone, clay, and sand lenses.	Sands within limestones yield small supplies of good water.
			Travis Peak formation	200	Conglomerate, fine-grained sand, variegated clay, thin beds of lignite, petrified wood.	Yields greatest supply of good quality; city of Weatherford is principal user in county.
Carboniferous	Pennsylvanian	Canyon	Palo Pinto limestone	50	Limestone interstratified with shale and sandy shale.	Yields no water to wells.
		Strawn	Mineral Wells formation	1,300	Limestone, thick shale, sandstone, and conglomerate.	Yields fresh water in Whitt area.
			Garner formation	210	Sand and clay, and conglomerate. One bed of coal at base.	Yields fresh water from upper beds of formation.
			Millsap Lake formation	3,000	Shale, some limestone, and sandstone.	Water is generally highly mineralized; water fresh locally.

The Mineral Wells formation crops out in the northwestern part of Parker County. It consists chiefly of shale, sandstone, limestone, and conglomerate. Small supplies of moderately mineralized water, which is satisfactory for domestic and stock use, can be obtained in the outcrop area. At present most wells tapping the formation in the county are in the vicinity of Whitt.

CANYON GROUP

The Palo Pinto limestone is the only formation of the Canyon group that crops out in Parker County. It is exposed in the extreme northwest corner of the county but does not yield water to wells.

COMANCHE SERIES

TRINITY GROUP

The Trinity group, comprising the lowermost rocks of the Comanche series in Parker County, has been divided into three formations, from oldest to youngest the Travis Peak formation, the Glen Rose limestone, and the Paluxy sand.

Travis Peak formation.- The Travis Peak formation is known locally in north-central Texas as the "Trinity sand" or "Basement sand." The formation crops out in the western part of Parker County and extends the full north-south length of the county. The outcrop is identified by a deep sandy soil of reddish color and is characterized by growths of timber, largely post oak and blackjack. The soil in the outcrop contributes largely to making Weatherford one of the most important watermelon-shipping centers in the State.

The Travis Peak formation thickens downdip from the outcrop and dips east at about 30 feet to the mile. The maximum known thickness of the formation in Parker County is about 200 feet.

In southwestern Parker County the Travis Peak formation lies unconformably upon the beveled edges of the beds of the Millsap Lake formation. Northward through the county it overlaps progressively higher beds in the Strawn group, and in the extreme northwest corner of the county it is lying upon the Palo Pinto limestone of the Canyon group.

The Travis Peak formation in Parker County is composed chiefly of tightly cemented conglomerate beds, separated by "packsands", which become finer-grained and more calcareous upward. Layers of conglomerate occur at the base of the Travis Peak formation in the outcrop; however, higher in the formation the conglomerate grades into coarse-grained sandstone. The sands in the upper part of the formation are separated by beds of clay and limestone.

The basal part of the formation appears to be coarse, containing pebbles 2 or 3 inches in diameter; however, the spaces between the pebbles are filled with fine-grained sand. The pebbles, which are generally well rounded and of various colors, consist of chert and quartz. In the outcrop a fresh exposure is dull red but a weathered exposure is gray. The pebbles are generally cemented by siliceous or calcareous cement. Good exposures of the conglomerate can be seen along the east slopes of Grindstone Creek.

Generally, one "red bed" of a deep purple is found in the outcrop of the Travis Peak formation.

The sands of the Travis Peak formation are the most extensive water-bearing sands in Parker County. They are available everywhere within the county east of their outcrop and yield the largest quantities of ground water in the county.

The land surface slopes eastward at a rate less than the dip of the Travis Peak formation, consequently, in the eastern part of the county the sands lie at greater depths and the water occurs under artesian conditions. Only in the lowest parts of the valley of Walnut Creek in the northeastern part of the county, however, can flowing wells be obtained from the Travis Peak formation.

This formation is the most productive aquifer in the county. However, because in much of the area the Paluxy sand is available at shallower depth and yields ample supplies, the Travis Peak has not been developed as heavily as the Paluxy.

The water from the Travis Peak formation in the outcrop is generally hard and contains noticeable amounts of iron, but it is satisfactory for most uses. The water becomes softer and is of better quality down the dip.

Glen Rose limestone.- The Glen Rose limestone overlies the Travis Peak formation. In the extreme northern part of the county the Glen Rose is about 50 feet thick, but in the southern part of the county it is reported by Scott and Armstrong (1932, p. 46), to be 236 feet thick.

Many of the ledges throughout the formation are fossiliferous, earthy, rotten limestone separated by layers of yellowish clay; but toward the top of the formation, especially in the southern part of the county, the ledges are massive and crystalline and form prominent escarpments. The limestone beds break down into a characteristic terrace-type topography. This is well displayed on the slopes of Sanches Creek about 8 miles southwest of Weatherford along the Weatherford-Dennis road.

Generally, the limestones are not permeable and do not yield water to wells; however, there are sand lenses between the limestone beds that yield small supplies of good water. In the valley of Walnut Creek in the northeastern part of the county the water in the sand lenses is under sufficient artesian pressure to cause wells to flow.

Paluxy sand.- The outcrop of the Paluxy sand has the largest areal extent of any formation in Parker County, and it marks the first timbered sandy belt along the western margin of the limestone Grand Prairie. The outcrop of Paluxy is generally covered with post oak and blackjack timber where it has not been cleared for farming. The soils derived from the formation are sandy and deep, but unless they are properly cared for their fertility is rapidly exhausted. The soil is easily eroded by wind or water. Deep gullies form quickly unless the flow of surface runoff is controlled.

Excellent exposures of the Paluxy sand may be seen around Weatherford, Veale Station, and in many other places in the northern half of the county. An exceptionally good exposure can be seen $3\frac{1}{2}$ miles southwest of Poolville on the north side of the Poolville-Whitt road.

The Paluxy sand dips east at the rate of 15 to 20 feet to the mile in Parker County. It rests conformably on the Glen Rose and is overlain unconformably by the Walnut clay of the Fredericksburg group.

The Paluxy sand is composed almost entirely of fine-grained quartz sand, but it contains beds of shale in the middle. The shales are generally white, yellow, light blue, green, or red. Few fossil remains of animals have been found in the Paluxy sand but fragments of silicified wood are abundant. Thin beds of lignite have been found in wells drilled into the Paluxy sand. The thickness of the formation ranges from less than 100 feet to about 150 feet. The sands of the Paluxy thicken from south to north.

From its outcrop eastward, the Paluxy sand is within a reasonable depth and generally yields water of satisfactory quality for nearly all uses. For this reason more water is pumped from the Paluxy sand than from all the other water-bearing sands in the county combined. The water in the Paluxy sand does not have enough artesian head to flow naturally, except on the flood plain of the Clear Fork of the Trinity River 2 miles west of Aledo (well F14). The supply is ample for domestic and stock use and it is unnecessary to drill to the deeper and more prolific sands of the Travis Peak formation. As a rule, the water in the outcrop is hard and high in iron. Generally the best water is found in the lower part of the formation, and the water becomes softer and of better quality down the dip.

FREDERICKSBURG AND WASHITA GROUPS

The Walnut clay, Goodland limestone, and Kiamichi formation of the Fredericksburg group, and the Duck Creek limestone of the Washita group, do not yield water to wells in Parker County and will not be further described.

RECENT SERIES

The Recent alluvium along the Brazos River valley consists primarily of flood-plain deposits of sand and gravel transported and reworked from the Travis Peak formation and other rocks upstream. Along the Clear Fork of the Trinity River the alluvium consists of sand, gravel, clay, and water-worn Cretaceous fossils. The only area where a ground-water supply is obtained from the alluvium is along the Brazos River in the vicinity of Dennis and farther east in the valley of the Big Bend. Generally, the water from the alluvium is satisfactory for most uses.

SPRINGS

Many springs discharge along the valleys of streams in Parker County. The discharge from each outlet or spring along the creeks is small, but in the aggregate, large quantities of ground water issue from the underground reservoirs along the courses of the creeks.

Most of the springs observed in Parker County are gravity springs; the water does not issue under artesian pressure but is at the outcrop of the water table. Generally the springs are of the seepage type, in which the discharge is distributed along the banks and bottom of the creek. The water in this type of spring or seepage area percolates from permeable material under the action of gravity. Part of the water that issues from springs returns to the aquifers downstream.

PRESENT DEVELOPMENT OF WATER FROM WELLS

The development of ground water in Parker County has been chiefly for domestic supply, for watering stock, and for the municipal supply of Weatherford. Irrigation is restricted to small garden plots, and the quantity of water used for irrigation is very small.

The estimated number of wells in the county and the maximum daily withdrawals from these wells in 1950 are shown below. Most of the water used is supplied by water-bearing sands of the Trinity group, the Paluxy sand being most important at present and the Travis Peak formation ranking second.

Use	Number of wells	Maximum number of gallons used per day
Municipal	15	1,000,000
Domestic: private wells in Weatherford and small communities	750	300,000
Farm and stock	2,100	1,324,000
Total	2,865	2,624,000

The city of Weatherford is the only large individual user of ground water. It has 15 wells in operation, which yield an average of 50 gallons a minute each, or a maximum of 1,000,000 gallons a day, from the Travis Peak formation. The maximum rate of discharge from any one well is 90 gallons a minute. The specific capacities of three wells that draw water from the Travis Peak formation in the Weatherford area are: well E33, 2.14; well E16, 1.08; and well E20, 2.14 gallons a minute per foot of drawdown. These specific capacities were reported by the drillers when the wells were completed. Owing to a reported decrease in yields of the city wells, and to a general lowering of water levels below the top of the Travis Peak formation, it appears that the city of Weatherford has a serious water problem. If additional supplies of ground water are to be developed by the city, the sites of well fields should be carefully selected, and wells should be spaced at considerable distances from each other and from the present wells.

Some areas in the county can never obtain adequate supplies of ground water of good quality because the underlying formations consist of impermeable clay, shale, and limestone. These areas are in the western part of the county, particularly in the vicinity of Millsap. Small local supplies of satisfactory quality might be obtained; however, the water is limited in quantity and ordinarily is too highly mineralized for most uses.

In the outcrop of the Travis Peak formation potable water supplies are obtained from shallow dug wells. The water in these wells comes from the precipitation that falls in the area and percolates to the water table. Wells have not been drilled to the Travis Peak formation in Parker County east of Weatherford because of the more easily available water in the overlying Paluxy sand.

Generally, wells in the outcrop of the Glen Rose limestone are drilled through the limestone, and water is obtained from the underlying Travis Peak formation; however, small supplies of potable water can be obtained from sand lenses between the limestone beds.

In the outcrop of the Paluxy sand, potable water supplies are obtained from shallow dug wells. East of the outcrop the wells are drilled and are of small diameter. Water produced from this sand is used only for domestic and stock purposes, but at present the total withdrawal is larger than that from the Travis Peak formation. Wells that would yield large quantities of water for municipal, industrial, or irrigation supplies cannot be developed in the Paluxy sand in Parker County.

In the valley of the "Big Bend" of the Brazos River east of Dennis, small water supplies for domestic and stock purposes have been developed from the alluvium. Generally, these wells are either driven or bored, as the alluvium is unconsolidated and relatively thin.

The water used by the city of Weatherford is lifted from wells by deep-well turbine pumps powered with electric motors, and the water for domestic and stock supply that comes from wells is lifted by small cylinder pumps powered by hand or electric motor, jet pumps, windmills, or buckets.

Most of the wells in Parker County are not pumped at maximum capacity. The domestic pumps that are used limit the amount of water withdrawn to a maximum of, generally, 5 gallons a minute. Except in the Weatherford area, many more small supplies of water could be developed from the sands of the Trinity group.

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Table 3.- Records of wells in Parker County, Tex.
(All wells are drilled unless otherwise noted in the remarks column)

Method of lift: B, bucket; C, cylinder; E, electric; G, gasoline; H, hand-powered pump or rope; J, jet; R, rotary; T, turbine; W, windmill. Number indicates horsepower.

Use of water : D, domestic; Ind, industrial; N, none; P, public supply; S, stock.

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
A1	20½ miles northwest	T. F. Hardy	--	Old	65	5	--	--	C,W	D	Weak well.
A2	16 miles north	J. D. McCurry	John Cooke	1945	80	5	52.0	Nov. 25, 1949	C,W	D	Casing: 50 feet.
A3	14½ miles northwest	Poolville Public School	--	1928	60	5	--	--	C,E, ½	P	Casing: 55 feet. Water reported from third water sand.
A4	do.	John Cooke	--	1941	60	5	g/30	Nov. 1949	C,E, ½	D	Casing: 25 feet. Water sand from 20 to 24 feet cased off; water reported bitter; water reported from second and third water sands. Temp. 65° F.
A5	do.	O. L. Phillips	--	1912	30	5	24.2	Nov. 1949	B,H	D	Casing: 60 feet; well was drilled to 60 feet, but has filled with sand to 30 feet.
A6	13½ miles northwest	J. A. Logan	J. A. Logan	1949	36	36	g/30	Nov. 1949	C,E,H, 1/6	D,S	Curbed 6 feet. Water sand from 31 to 36 feet.
A7	14½ miles northwest	Tone Mader	--	Old	22	5	15.2	Dec. 20, 1949	B,H	D,S	
A8	15½ miles northwest	W.E. Lawrence	--	Old	130	4	--	--	C,W	D,S	Temp. 69° F.
A9	17 miles northwest	B. F. Middleton	Measures Bros. Drilling Co.	1948	119	6	32.1	Dec. 20, 1949	B,H	D	Water sand from 26 to 35 feet cased off. Temp. 68° F. See log.
A10	17½ miles northwest	Joe Tipps	--	Old	40	48	30.3	Jan. 24, 1950	C,E, ½	D,S	
A11	18 miles northwest	Whitt Public School	--	Old	60	36	38.8	Dec. 20, 1949	J,E, --	P	Supplies school and three business houses.
A12	do.	J. M. Pearson	--	Old	400±	5	146.4	do.	C,W	D,S	
A13	do.	J. C. Patton	Seismograph crew	1949	60	3½	20.4	do.	B,H	D	
A14	do.	Ed. Davis	--	Old	70	6	30.3	Jan. 24, 1950	B,H	D	
A15	19 miles northwest	O. E. Doss	J. Clowers	1935	432	5	131.1	do.	C,W	S	
A16	17½ miles northwest	H. B. Peugh	--	1929	80	6	17.6	do.	B,H	D	
A17	18½ miles northwest	E. R. Sears	J. Clowers	Old	204	6	g/180	Jan. 1950	C,W	D	Weak well.
A18	16½ miles northwest	O. W. Cowley	--	Old	140	8	g/65	May 1949	C,H	D	Pump set at 120 feet.

g/ Reported.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
A19	16½ miles northwest	J. W. McGown	--	Old	65	5	45.1	Jan. 24, 1950	B,H	D	
A20	12 miles northwest	Max Vance	--	Old	200	5	--	--	C,W	D	Casing: 200 feet.
A21	11½ miles northwest	E. Davidson	--	Old	65	4	43.6	Jan. 24, 1950	B,H	D	Weak well.
A22	do.	Mrs. -- Deleleu	--	--	90	--	--	--	C,W	D,S	Supplies 30 head of stock.
A23	11 miles northwest	J. K. Lee	--	1939	80	--	--	--	C,W	D	
A24	10½ miles northwest	C. C. Brashier	--	Old	60	4	--	--	C,H	D	
A25	11 miles northwest	V. P. Craven	--	1935	54	5	43.8	Nov. 23, 1949	B,H	D	
A26	9½ miles northwest	J. L. Wilson	Henry Measures	1919	124	--	55.6	do.	C,W	D	Water sand from 41 to 44 feet. Pump set at 110 feet.
A27	8 miles northwest	Peaster Public School	Measures Bros. Drilling Co.	1941	220	8	--	--	J,E, ¾	P	See log.
A28	7 miles northwest	G. J. Boecker	G. J. Boecker	1946	100	5	a/30	-- 1946	C,W	D,S	Casing: 100 feet, bottom 30 feet slotted; water sands from 37 to 42 and 70 to 110 feet. Pump set at 110 feet.
A29	do.	H. R. Bellinger	--	1914	60	4	--	--	C,W	D,S	Pumping level on Nov. 23, 1949 was 44.8 feet below land surface. Temp. 68° F.
A30	10 miles northwest	Mrs. E. Mathers	--	1915	130	4	--	--	C,W	D,S	
A31	11 miles northwest	E. A. Ponds	--	Old	90	6	a/75	--	C,W	D	
A32	12 miles northwest	H. B. Jennings	--	Old	35	48	27.2	Nov. 22, 1949	C,E, ¾	D	
A33	13 miles northwest	W. N. Tucker	Henry Measures	1922	57	72, 4	26.7	do.	B,H	D	Casing: Tile from top to 29 feet, galvanized tin from 29 to 57 feet. Water sand reported from 35 to 40 feet. Temp. 67° F.
A34	13½ miles northwest	M. H. Marshall	C. L. Brooks	1947	196	6	109.3	do.	C,E, ¾	D,S	Casing: 50 feet. Water sand from 40 to 45 feet cased off; small yield of water at 70 feet. Temp. 66° F.
A35	do.	W. R. Smith	W. R. Smith	Old	40	4	15.8	do.	C,B, W,H	D,S	Casing: 40 feet. Temp. 67° F.
A36	13 miles northwest	E. G. Loan	E. G. Loan	1932	20	48	15.1	do.	B,H	D	Reported taste of gypsum.
A37	14 miles northwest	Acy Maddux	Lindsay Hart	1947	90	4	38.6	Nov. 27, 1949	B,H	D,S	Casing: 50 feet. Water has oil in it; water sand reported from 70 to 90 feet.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
A38	14 miles northwest	F. T. Maddux	--	Old	35	5	15.5	Nov. 27, 1949	B,H	D	Weak well.
A39	13½ miles northwest	W. H. Howard	--	Old	36	5	--	--	C,E,W, ½	D,S	Well has never failed.
A40	12 miles northwest	J. A. Vance	--	1912	100	6	25.5	Nov. 22, 1949	B,H	D	Temp. 69° F.
A41	11 miles northwest	H. O. Ponds	H. O. Ponds	1939	20	5	10.7	Jan. 27, 1950	B,H	D	
A42	15½ miles northwest	J. W. Davis	Palo Pinto Petroleum Co.	1921	2,270	--	--	--	--	--	See log.
A43	16 miles northwest	C. L. Reynolds	Dalsa Oil Co.	--	4,200	--	--	--	--	--	Altitude 1,250 feet <u>b/</u> . See log.
A44	15½ miles northwest	Bernice Culwell	Venture Oil Co., Ltd.	1948	6,565	--	--	--	--	--	Altitude 1,200 feet <u>b/</u> . See log.
A45	14 miles northwest	McWilliams & C. T. Reynolds	Dalsa Oil Co.	1922	4,370	--	--	--	--	--	See log.
A46	15 miles northwest	J. R. Davidson	Continental Oil Co.	1943	6,516	--	--	--	--	--	Altitude 1,257 feet <u>b/</u> . See log.
A47	do.	C. P. Johnson	do.	1949	6,174	--	--	--	--	--	Altitude 1,198 feet <u>b/</u> . See log.
A48	17 miles northwest	B. C. Evans	Swensondale Oil Co.	1925	4,789	--	--	--	--	--	See log.
A49	19 miles northwest	-- Herring	Hicks & Lone Star Gas Co.	1922	2,855	--	--	--	--	--	Do.
A50	18 miles northwest	T. L. Bradley	Parker Oil & Gas Co.	1922	4,500	--	--	--	--	--	Do.
A51	14 miles northwest	R. E. Boyd	Chas. Woolridge	1938	1,202	--	--	--	--	--	Do.
A52	8½ miles northwest	-- Peaster	--	--	1,134±	--	--	--	--	--	Do.
A53	7 miles northwest	C. H. Tompkins	Humble Oil & Gas Co.	1945	7,980	--	--	--	--	--	Do.
B1	15½ miles north	T. D. Harding	John Cooke	1940	75	4	30.7	Nov. 30, 1949	J,E, ½	D	Pumping level Nov. 30, 1949, was 33.74 feet below land surface while pumping 3 to 5 gallons a minute. Pump set at 70 feet.
B2	15 miles north	H. L. Culwell	Stick Bradshaw	1940	63	6	--	--	C,W	D	Casing: 63 feet. Water sand from 25 to 30 feet cased off. Temp. 67° F.
B3	do.	B. K. Seaberry	--	--	69	8	51.0	Nov. 30, 1949	C,E, 1½	D	
B4	do.	J. R. Nickles	D. T. Stone	1943	68	4	a/53	1943	J,E, ½	D	Casing: 68 feet.

a/ Reported.

b/ Altitude from oil company log.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
B5	15½ miles north	J. B. Elam	Stick Bradshaw	1945	156	6, 4	a/60	1945	C,W	D	Casing: 6-inch to 60 feet; 4-inch from 0 to 156 feet.
B6	15 miles north	C. W. Prescott	Measures Bros. Drilling Co.	1948	109	5	33.7	Nov. 30, 1949	C,E, ½	D	Casing: 109 feet. First water sand from 34 to 37 feet not sealed off; originally first water sand was sealed off with water level at 51 feet; water reported from second sand, 92 to 109 feet. See log.
B7	15½ miles northeast	B. C. Hoyl	Henry Measures	1931	225	6	a/60	1949	C,W	D	Pump set at 80 feet.
B8	16 miles northeast	Springtown Telephone Co.	P. Dillbeck	1948	240	6, 4	--	--	C,E, ½	D,Ind	Casing: 6-inch to 105 feet; 4-inch from 95 to 240 feet.
B9	15½ miles northeast	Kline Bros.	do.	1949	122	8, 6	29.2	Dec. 23, 1949	C,E, ½	D,Ind	Casing: 8-inch to 58 feet; 6-inch from 52 to 122 feet; perforated from 80 to 120 feet. Water sand from 80 to 122 feet.
B10	16 miles northeast	Boyd Harrington	Stick Bradshaw	1945	101	3	a/26	1945	C,E, ½	P	Casing: 101 feet. Pump set at 84 feet. Supplies 12 business houses.
B11	do.	Springtown Ice Co.	Fort Worth Drilling Co.	1947	375	8, 6-5/8	--	--	C,G	Ind	Casing: 375 feet, slotted from 275 to 375 feet, cemented from top to 108 feet. Pump set at 250 feet. Yield 19 gallons a minute. Water not suitable for making ice.
B12	15½ miles northeast	Sinclair Refining Co.	P. Dillbeck	1947	385	8, 6	25.3	Dec. 23, 1949	C,E, ½	D	Casing: 385 feet, reported sealed in bed of blue shale at 150 feet. Oil in water; driller reports oil comes from blue shale.
B13	do.	W. H. Plumlee	Ward Lindsay	1939	160	--	--	--	C,E, ½	D	
B14	14½ miles northeast	H. L. Young	P. Dillbeck	1947	174	6	53.8	Jan. 17, 1950	C,W	D	
B15	14 miles northeast	J. E. Barrick	--	1912	183	6	a/40	1949	C,W	D	Casing: 100 feet.
B16	13½ miles northeast	W. Dunlap	--	Old	75	4	49.8	Jan. 17, 1950	B,H	D	
B17	14 miles north	E. W. Stevens	--	Old	160	4	--	--	C,E,W, ½	D,S	
B18	10½ miles north	J. H. Chenalt	--	Old	60	48	43.9	Jan. 23, 1950	B,H	D	Dug. Curbed to bottom with rock.
B19	10 miles north	R. Brawley	--	Old	60	5	--	--	C,W	D	Weak well.
B20	9 miles north	R. B. Brown	--	Old	50	36	37.0	Jan. 23, 1950	C,B, W,H	D,S	

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
B21	10½ miles northeast	E. E. McElroy	--	Old	95	4	44.4	Nov. 29, 1949	--	--	Abandoned.
B22	9 miles northeast	J. W. Dobbs	--	1945	50	--	--	--	C,E,W, ½	D,S	Original depth was 35 feet, weak water supply; deepened to 50 feet, larger yield reported.
B23	12½ miles northeast	H. R. McBride	Ward Lindsay	1932	167	8	a/70	1949	C,E,W, ½	D,S	
B24	12 miles northeast	J. L. Woody	--	1890	100	8	--	--	C,E,W, ½	D,S	
B25	8 miles northeast	Dewey Dill	Measures Bros. Drilling Co.	1949	410	5	a/280	1949	C,W	D,S	Casing: 360 feet, slotted from 310 to 360 feet; gravel-walled. Water sand from 40 to 50 feet cased off. Pump set at 300 feet.
B26	7½ miles northeast	J. Bradford	--	Old	90	6	--	--	C,W	D,S	Weak well.
B27	8 miles northeast	J. L. Sharpe	Measures Bros. Drilling Co.	1941	238	5	a/30	1941	C,E,W, 1/3	D	Casing: 238 feet; perforated from 218 to 238 feet. Pump set at 90 feet.
B28	7 miles northeast	B. L. White	do.	1948	80	8	19.5	Nov. 29, 1949	J,E, ½	D	Casing: 83 feet; perforated from 34 to 83 feet. Water sand from 34 to 79 feet; reported yield 15 gallons a minute with drawdown of 20 feet when drilled. See log.
B29	7½ miles north	Mrs. O. B. Peterson	do.	1950	125	8, 5½	79.4	Mar. 2, 1950	C,E, ½	D,S	Casing: 8-inch to 40 feet; 5½-inch from 40 to 125 feet. Pump set at 92 feet. Yield 3 gallons a minute with drawdown of 1.33 feet Mar. 2, 1950.
B30	6 miles north	L. B. Scherer	do.	1946	150	7	a/50	1946	C,W	D,S	Casing: 150 feet; slotted from 120 to 150 feet. First water sand from 80 to 100 feet cased off.
B31	6½ miles northwest	W. M. Hudson	--	Old	52	36	37.7	Jan. 23, 1950	C,B, W,H	D	No casing. Weak well.
B32	5½ miles northeast	North Side Consolidated School	Measures Bros. Drilling Co.	1948	225	8	a/130	1948	J,E, 2	P	Reported yield 40 gallons a minute with drawdown of 30 feet when drilled. See log.
B33	16 miles northeast	J. W. Grant	Franklin R. Smith Trustee	1934	1,463	--	--	--	--	--	See log.
B34	15 miles northeast	--	Bill Hines	1949	370±	--	--	--	--	--	Do.

Table 3.- Records of well in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
B35	14½ miles northeast	W. J. B. Culwell	Farris Oil Co.	1949	4,002	--	--	--	--	--	See log.
B36	6 miles northeast	-- Harrison	Holliday Oil & Gas Co.	--	3,442	--	--	--	--	--	Do.
C1	17½ miles northeast	W. A. Thomas	--	Old	60	48	32.3	Jan. 16, 1950	C,W	D,S	
C2	do.	F. Byers	Ward Lindsay	1945	127	4	a/70	1945	C,W	D,S	
C3	18½ miles northeast	C. Clay	--	Old	60	48	35.6	Jan. 16, 1945	C,E, ½	D	Curbed with rock to 10 feet.
C4	do.	M. T. Bickley	-- Baker	1945	94	4	--	--	C,E, ½	D	Casing: 94 feet, perforated from 82 to 94 feet. Water sand from 60 to 65 feet cased off.
C5	20 miles northeast	A. E. Nix	Stick Bradshaw	1945	100	6	--	--	C,E, ½	D,S	
C6	18½ miles northeast	E. R. Williams	--	Old	60	6	47.0	Dec. 27, 1949	B,H	D	Casing: 60 feet.
C7	18 miles northeast	T. F. Welch	Stick Bradshaw	1932	165	4	a/100	1932	C,E,W, ½	D,Ind	Casing: 80 feet. Water sand from 50 to 55 feet cased off. Pump set at 120 feet.
C8	17½ miles northeast	W. T. Hall	do.	1920	150	4	+	Dec. 27, 1949	C,H, Flows	D,S	Well originally flowed continuously; reported to flow only in winter season for past 2 years.
C9	17 miles northeast	R. Gregg	--	--	190	4	--	--	C,E,W, ½	D,S	Pump set at 100 feet.
C10	15½ miles northeast	D. P. Carter	Stick Bradshaw	1946	125	5	a/40	1946	C,E, ½	D	Casing: 40 feet. Pump set at 95 feet.
C11	16 miles northeast	Mildred Beach	do.	1931	144	5	+	Mar. 10, 1950	Flows	D	Casing: 137 feet. Hard rock from 134 to 139 feet; water reported from third water sand at 139 to 144 feet. Yield 2½ gallons a minute Mar. 10, 1950.
C12	16½ miles northeast	W. A. Frazier	Grady Ellis	1949	200	6	69.3	Dec. 6, 1949	C,E, ½	D,Ind	
C13	16 miles northeast	G. N. Reynolds	Stick Bradshaw	1937	132	6	25.8	Dec. 12, 1949	B,H	D	
C14	16½ miles northeast	R. A. Cough	do.	1946	325	4½	a/38	1946	J,E, ½	D,S	Casing: 325 feet.
C15	18½ miles northeast	F. A. Farrell	B. F. Whitfield	1949	268	6¼, 4	--	--	C,E, ½	D	Casing: 6¼-inch to 30 feet, 4-inch from 0 to 260 feet, cemented at 260 feet.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
C16	18 miles northeast	F. H. Harrison	Fort Worth Drilling Co.	1944	320	4	a/10	1949	C,E, ½	D	See log.
C17	do.	North Fort Worth Ice Co.	H. E. Turberville	1949	80	6, 4	a/42	1949	C,E, ½	D	Original depth was 153 feet, plugged back to 80 feet. Water reported from second sand at 75 to 80 feet. See log.
C18	do.	George Dunaway	B. F. Whitfield	1949	393	8.5, 4	a/25	1949	C,E, ½	D	Casing: 393 feet, 8-inch to 80 feet, perforated from 372 to 393 feet.
C19	do.	W. E. Shields	do.	1949	120	6	a/20	1949	C,E, ½	D	Casing: 12 feet. Water sand from 76 to 82 feet cased off.
C20	15 miles northeast	R. Wright	--	1900	125	5	a/116	1949	C,E,W, 1	D,S	Weak well.
C21	do.	O. B. Jordan	--	Old	150	4	--	--	C,E, 1/3	D	Water reported from second water sand.
C22	13 miles northeast	H. W. Brittan	--	Old	200	8	--	--	C,E,W, ½	D,S	
C23	11 miles northeast	O. Thompson	--	Old	130	4	--	--	C,E, ½	D,S	
C24	10 miles northeast	Guy Tucker	--	1942	208	6, 4	--	--	C,E,W, ½	D,S	
C25	13½ miles northeast	C. Burgess	--	1946	80	6	a/20	1946	J,E, ½	D,S	
C26	14 miles northeast	A. L. Pendery	--	1946	120	4	--	--	C,E, 1/3	D,S	Pump set at 110 feet.
C27	16 miles northeast	A. T. Baughman	--	Old	200	8	120.5	Jan. 17, 1950	C,E, ½	D,S	
C28	17½ miles northeast	--	Kodane Drilling Co.	1949	430 ⁺	--	--	--	--	--	See log.
C29	18 miles northeast	F. B. Browder	W. F. Isham	1927	3,190	--	--	--	--	--	Do.
C30	14½ miles northeast	Williams & Pickens	Cook & Miller	--	1,702	--	--	--	--	--	Do.
C31	17½ miles northeast	-- Scruggs	T. W. Owen et al.	1934	2,503	--	--	--	--	--	Altitude 962 feet. <u>b/</u> See log.

a/ Reported.

b/ Altitude from oil company log.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
D1	14½ miles northwest	J. F. Neugebauer	C. L. Brooks	1946	96	5	--	--	J,E, X	P	Reported strong yield.
D2	14½ miles west	A. J. Evans	do.	1949	112	7	a/20	1949	C,E, X	S	Casing: 20 feet.
D3	14 miles west	F. Mallick	do.	1946	90	4	--	--	C,W	D	Temp. 68° F.
D4	12½ miles west	A. D. Wallace	do.	1939	40	--	--	--	J,E, X	D,S	
D5	12 miles west	E. O. DeBask	do.	1947	140	5	--	--	J,E, X	D,S	
D6	do.	S. J. Davia	Measures Bros. Drilling Co.	1949	181	7	a/106	1949	C,E, X	D	Casing: 55 feet. Water reported from sand at 170 to 180 feet; yield 4 gallons a minute with drawdown of 72 feet when drilled. Temp. 71° F. See log.
D7	12 miles northwest	L. E. Thacker	C. L. Brooks	1946	170	6	--	--	C,E, X	D	Casing: 50 feet.
D8	12½ miles northwest	J. C. Maddox	Klint Holder	1905	38	6	--	--	J,E, X	D	Weak well.
D9	11½ miles northwest	Garner Consolidated School	--	1943	30	36	10.1	Nov. 22, 1948	J,E, X	P	
D10	10 miles northwest	J. A. McKinzie	J. A. McKinzie	1939	20	24	16.1	Nov. 8 1949	B,H	D	Casing: 20 feet of brick.
D11	9½ miles northwest	W. H. Williams	--	1925	200	4	--	--	C,W	D,S	Casing: 40 feet.
D12	do.	B. Hobson	--	Old	75	6	a/60	1949	C,W	D,S	Casing: 65 feet.
D13	8 miles northwest	L. Kieser	Henry Measures	1939	251	5	--	--	C,H	D	Casing: 200 feet. Pump set at 240 feet.
D14	6 miles northwest	O. W. James	--	Old	90	6	a/83	1949	C,G,W, X	D,S	
D15	4½ miles northwest	L. J. Stuart	--	Old	80	4	a/20	1949	C,E,W, X	D,S	Pump set at 72 feet.
D16	3 miles northwest	J. P. Daniel	--	Old	90	4	a/40	1949	C,E, X	D,S	
D17	2 miles west	Mrs. J. E. Johnson	--	Old	106	4	--	--	C,W	D,S	
D18	3 miles west	C. W. Garner	D. C. Young	1945	209	8	a/60		J,E, X	D	Casing: 60 feet. Water reported from third water sand. Supplies three families.
D19	5 miles west	C. O. Norton	--	1925	80	5	a/60		C,E, X	D,S	Casing: 62 feet. Water sands from 30 to 35 and 50 to 55 feet cased off. Pump set at 65 feet.
D20	6 miles west	R. L. Robinson	R. L. Robinson	1946	20	72	12.0	Nov. 9, 1949	C,W	D	

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
D21	6½ miles west	S. M. McCarthy	Henry Measures	1943	110	4	34.1	Nov. 9, 1949	C,W	D	
D22	7 miles west	J. E. Hull	--	--	125	6	a/65	1949	C,W	D,S	Pump set at 120 feet.
D23	9 miles west	L. T. Newson	--	Old	120	6	a/50	Jan. 1950	C,W	D,S	Casing: 120 feet, slotted from 99 to 120 feet.
D24	10 miles west	E. Coon	--	1929	150	--	--	--	C,W	D	Casing: 135 feet. Water reported from water sand at 135 to 150 feet.
D25	12½ miles west	A. S. Hightower	--	1946	100	6	a/40	1946	J,E, ½	D	Casing: 30 feet. Water reported from water sand at 75 to 100 feet; highly mineralized.
D26	13½ miles west	J. R. Byrd	D. C. Young	1946	160	--	a/30	1950	C,E, ½	S	Water reported highly mineralized.
D27	15 miles west	B. Clark	T. Clark	1941	18	72	12.4	Feb. 6, 1950	B,H	D	Casing: 18 feet of tile.
D28	12 miles west	Byrd Estate	--	1947	24	5	a/15	1949	C,W	N	Weak well.
D29	do.	J. M. Bankhead	--	1909	30	48	15.0	Feb. 6, 1950	B,H	D	
D30	do.	do.	--	Old	75	5	--	--	--	N	Weak well.
D31	12 miles southwest	do.	John Young	1947	125	5	a/35	1950	C,E,W, ½	D	Do.
D32	11 miles west	O. Dolley	--	Old	25	60	9.6	Feb. 8, 1950	C,B, W,H	D	
D33	10½ miles west	O. O. Eatea	--	Old	25	48	3.8	do.	B,H	D	Failed once in last 9 years.
D34	9½ miles southwest	L. Byrd	Tom Bridges	1938	40	48	12.5	do.	C,W	D,S	Flowed when dug.
D35	9 miles southwest	T. J. Norman	--	Old	125	18	68.3	do.	B,H	D	
D36	5 miles west	Huse Brothers	--	--	150	5	a/110	1950	C,E,W, ½	D,S	
D37	3½ miles southwest	J. A. Jackson	--	Old	110	6	--	--	C,E,W, 1/3	D	Pump set at 80 feet.
D38	2½ miles southwest	N. F. Lummis	Measures Bros. Drilling Co.	1948	96	4	46.8	Nov. 14, 1949	C,E, 1/3	D	Reported yield 10 gallons a minute with drawdown of 23 feet when drilled. See log.
D39	3½ miles southwest	Roy Miller	--	1946	98	6	61.5	do.	J,E, ½	D	Casing: 92 feet. Water sand from 60 to 65 feet cased off.
D40	4 miles southwest	H. Shaban	Henry Measures	1937	87	5	a/57	1949	C,E, ½	D,S	Casing: 87 feet, perforated from 78 to 87 feet; water sand from 35 to 40 feet cased off. Pump set at 77 feet.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
D41	4½ miles southwest	W. H. Anderson	D. C. Young	1949	125	5	a/15	1949	J,E, 1/3	D	Water reported from second water sand.
D42	4¾ miles southwest	P. M. Cardwell	Seismograph crew	1949	115	3	14.1	Nov. 14, 1949	B,H	D	
D43	5½ miles southwest	E. L. Murphy	Measures Bros. Drilling Co.	1950	127	5	74.8	Feb. 21, 1950	B,H	D	
D44	8¾ miles southwest	C. A. Wood	--	1944	226	4	177.0	Nov. 15, 1949	C,E,W, ¼	D,S	
D45	9¾ miles southwest	L. M. Barrett	Measures Bros. Drilling Co.	1946	75	8	--	--	C,E, ½	D	Casing: 54 feet ; pump set at 63 feet. Water reported from second water sand at 50 to 75 feet. Reported yield 7½ gallons a minute with pumping level of 53 feet below land surface when drilled. See log.
D46	10 miles southwest	J. F. Brashears	J. F. Brashears	1939	24½	36	17.2	Nov. 15, 1949	C,B, W,H	D,S	Curbing: 24½ feet of brick. Temp. 65 F.
D47	11 miles southwest	J. L. Harris	D. C. Young	1949	71	6	a/40	1950	J,E, ¼	D	Casing: 70 feet.
D48	do.	do.	--	1875	36	48	20.1	Feb. 8, 1950	--	N	
D49	10½ miles southwest	E. E. Rhine	--	Old	--	48	21.4	do.	J,E, ¼	D	
D50	13 miles southwest	John Lamb	--	Old	80	5	a/40	--	B,H	D	
D51	15½ miles southwest	F. Wright	W. O. Johnson	Old	40	4	--	--	C,E, ½	D	Weak well.
D52	16 miles southwest	Soda Springs Church	C. F. Morgan	1910	100	5	15.1	Feb. 28, 1950	B,H	P	Do.
D53	do.	W. C. Harris	do.	1900	75	4	a/35	1949	C,W	D	Mineralized.
D54	15 miles southwest	V. A. Young	--	Old	100	4	--	--	C,W	D,S	
D55	14 miles southwest	Oscar Bish	D. C. Young	1947	277	4	--	--	C,W	S	Reported strong yield of highly mineralized water.
D56	13½ miles southwest	T. L. Marlowe	-- Redding	1950	173	4	--	--	--	N	Dry hole. Abandoned.
D57	12½ miles southwest	W. W Attebury	-- Wright	1948	75	5	a/22		J,E, 1	D	
D58	11½ miles southwest	L. Jonea	--	Old	45	48	13.4	Feb. 21, 1950	B,H	D	Curbing: 5 feet of rock.
D59	10 miles southwest	R. E. McCoy	--	--	20	48	2.8	do.	B,H	D	

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
D60	10 miles southwest	S. R. Brashears	S. R. Brashears	1900	21	36	13.9	Feb. 21, 1950	J,C, E,H, ^{1/2}	D,S	Curbing: rock.
D61	10 $\frac{1}{2}$ miles southwest	W. J. Mathews	--	1875	22	48	4.7	do.	B,H	D	
D62	9 $\frac{1}{2}$ miles southwest	Gulf Oil Co.	Measures Bros. Drilling Co.	1945	100	6	--	--	C,E, 3	P,Ind	Yields 10,000 gallons a day. Supplies eight homes and pipeline station.
D63	do.	do.	--	Old	50	48	a/32		C,E, 3	Ind	Yield 10,000 gallons a day, three days a week. Supplies pipeline station.
D64	9 miles southwest	J. O. Duncan	J. O. Duncan	1946	30	4	14.1	Feb. 21, 1950	B,H	D	
D65	6 $\frac{1}{2}$ miles southwest	G. B. Ballington	--	1905	100	4	--	--	C,W	D,S	
D66	6 miles southwest	T. B. Saunders	Measures Bros. Drilling Co.	1949	232	6- 5/8	--	--	--	N	Supplies water to drill oil well.
D67	5 $\frac{1}{2}$ miles southwest	Mrs. H. Blair	do.	1946	287	5	a/240	1946	C,W	D,S	Water sand reported from 70 to 80 feet cased off.
D68	15 miles west	Rock Creek	T. & P. Coal Co.	--	3,615	--	--	--	--	--	See log.
D69	12 miles west	Lem Lamkin	Bartring & Barna	1938	704	--	--	--	--	--	Do.
D70	11 $\frac{1}{2}$ miles northwest	C. C. McDonald	Crader Oil Co.	1947	3,430	--	--	--	--	--	Altitude 940 feet. <u>b/</u> See log.
D71	12 miles northwest	O. V. Sneed	do.	1947	5,415	--	--	--	--	--	See log.
D72	10 miles southeast	Lee Byrd	R. M. Pierce	1935	1,003	--	--	--	--	--	Do.
D73	12 miles west	Mrs. G. R. Peters	G. E. Grump	1934	1,002	--	--	--	--	--	Altitude 822 feet. <u>b/</u> See log.
D74	13 $\frac{1}{2}$ miles west	Mrs. F. L. Langford	Upham Gas Co.	1923	775	--	--	--	--	--	See log.
D75	14 miles west	E. W. Morton	Parker County Oil & Gas Co.	1930	2,176	--	--	--	--	--	Do.
D76	14 $\frac{1}{2}$ miles west	I. C. Wood	Upham Gas Co.	1923	1,246 ⁺	--	--	--	--	--	Do.
D77	14 miles southwest	Acme Brick Co.	Plains Oil & Gas Co.	--	570 ⁺	--	--	--	--	--	Do.
D78	13 miles southwest	Arteburn Heirs	Sun Oil Co.	--	3,573	--	--	--	--	--	Do.
D79	13 $\frac{1}{2}$ miles southwest	do.	do.	--	3,055	--	--	--	--	--	Do.
D80	6 miles southwest	T. B. Saunders	Rowan Oil Co.	1949	6,509	--	--	--	--	--	Altitude 990 feet. <u>b/</u> See log.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
E1	3¼ miles northeast	H. R. Williams	--	1918	75	6	a/12	1918	C,E, ½	D,S	
E2	7 miles northeast	C. H. Graves	Frank Hays	1911	100	5½	a/15	1949	C,E, ½	D,S	Pump set at 42 feet.
E3	6½ miles northeast	W. W. Roberts	Henry Measures	1935	246	4	+	1950	Flows C,E,W,½	D,S	Casing: 246 feet, slotted from 225 to 246 feet.
E4	8 miles northeast	Austin Pearson	Wes Johnson	1942	190	6	a/139	1942	C,E,W, ½	D,S	Pump set at 165 feet.
E5	7 miles northeast	N. Wood	--	1949	200	6	--	--	C,E, ½	D,S	
E6	4¼ miles northeast	B. F. Pearson	W. W. Johnson	1919	120	4	a/100	1950	C,W	D,S	
E7	2½ miles northeast	City of Weatherford	Layne-Texas Drilling Co.	1941	420	--	--	--	--	--	Test hole, weak well. See log.
E8	2½ miles north	Robin Pope	Bill Russell	1948	48	5½	26.3	Nov. 29, 1949	B,H	D	Casing: 48 feet.
E9	2¼ miles northwest	Mrs. C. Barthold	Pete Hill	1947	148	8- 5/8, 7	a/107	1947	C,E, ½	D,S	Casing: 8-5/8-inch to 67 feet, 7-inch from 67 to 147 feet, perforated from 107 to 127 feet. Pump set at 135 feet. See log.
E10	1½ miles west	W. H. Wester	--	--	80	4	a/55	1947	C,W	D	
E11	1½ miles west	O. V. Barker	C. V. Clark	1948	125	4	a/40	1948	C,W	D	Casing: 120 feet.
E12	¾ mile northwest	City of Weatherford	J. L. Meyers & Sons	1948	395	10½	--	--	T,E, 15	P	Casing: 395 feet. Yield 56 gallons a minute with pumping level at 381.5 feet below land surface Jan. 10, 1950. Electric log in files of the Texas State Board of Water Engineers.
E13	1 mile northwest	do.	do.	1948	392	8	--	--	T,E, 25	P	Casing: 392 feet. Yield 50 gallons a minute Jan. 10, 1950.
E14	do.	do.	Henry Measures	1947	383	10, 8	318.0	Jan. 11, 1950	T,E, 20	P	Casing: 10-inch to 189½ feet, 8-inch to 383 feet, slotted from 299 to 383 feet. See log.
E15	1½ miles north	do.	Layne-Texas Drilling Co.	1941	460	16, 8	--	--	T,E, 25	P	Casing: 383 feet.
E16	½ mile northwest	do.	do.	1944	401	16, 10½	a/295	1944	T,E, 25	P	Casing: 16-inch to 121 feet, 10½-inch from 0 to 401 feet. Screens from 302 to 364 and 375 to 391 feet. See log.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
E17	¼ mile northeast	City of Weatherford	J. L. Meyers	1947	420	16, 10½, 8-5/8	306.4	Jan. 11, 1950	T,E, 15	P	Casing: 16-inch to 26 feet, 10½-inch from 0 to 328 feet, 8-5/8-inch from 313 to 420 feet. Screens from 329 to 358 and 376 to 405 feet. See log.
E18	¼ mile northeast	do.	Measures Bros. Drilling Co.	1949	400	--	355.3	do.	T,E, 20	P	Casing: 400 feet.
E19	1 mile east	do.	J. L. Meyers & Sons	1949	497	8	349.4	do.	T,E, 20	P	Casing: 497 feet. Electric log in files of the Texas State Board of Water Engineers.
E20	2¼ miles northeast	Sinclair Refining Co.	Layne-Texas Drilling Co.	1944	351	6-5/8, 4½	a/255	1944	C,E, 3	Ind	Casing: 6-5/8-inch to 321 feet 4½-inch from 309 to 351 feet. Screen from 325 to 350 feet. See log.
E21	2¼ miles east	C. M. Thompson	Measures Bros. Drilling Co.	1949	125	8, 5	--	--	J,E, ½	D,S	Casing: 8-inch to 42 feet, 4-inch from 42 to 125 feet. Pump set at 120 feet.
E22	4½ miles east	S. A. Hall	do.	1948	60	5	15.0	Nov. 10, 1949	B,H	D	
E23	5½ miles east	T. L. Marlowe	do.	1949	152	7	a/110	1949	J,E, ½	D	Casing: 106 feet. Reported yield 20 gallons a minute with 17 feet of drawdown. See log.
E24	5 miles southeast	M. A. Dingle	Wes Johnson	1940	105	4	--	--	J,E, ½	D,S	
E25	3 miles east	S. D. Varner	Henry Measures	1941	135	4	a/36	1941	C,W	D	Water reported from second water sand. Pump set at 100 feet.
E26	2¼ miles east	Pythian Home	J. J. Harlan	1945	460	8-5/8, 7	a/357	Nov. 8, 1949	T,E, 15	P	Casing: 8-5/8-inch to 354 feet, 7-inch from 344 to 460 feet, slotted from 419 to 433 feet. See log.
E27	2 miles east	W. C. Armstrong	Bill Russell	1947	90	5	12.1	Nov. 10, 1949	B,H	D	Casing: 23 feet. Water reported from two water sands.
E28	1¼ miles east	J. R. Richie	--	1916	80	4	--	--	C,E,W, ½	D	Pump set at 70 feet.
E29	1¼ miles east	W. O. Ransom	Measures Bros. Drilling Co.	1949	129	4	--	--	J,E, ½	D	
E30	1¼ miles southeast	City of Weatherford	J. L. Meyers & Sons	1947	439	10½, 8-5/8	291.4	Jan. 11, 1950	T,E, 20	P	Casing: 10½-inch to 331 feet, 8-5/8-inch from 309 to 439 feet. Screen from 379 to 439 feet. See log.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
E31	1½ miles southeast	City of Weatherford	Measures Bros. Drilling Co.	1946	416	10, 8	--	--	T,E, 25	P	Casing: 416 feet. See log.
E32	¾ mile southeast	do.	J. L. Meyers & Sons	1949	463	8	--	--	T,E, 20	P	Casing: 463 feet, perforated from 344 to 378 and from 418 to 448 feet. Yield 85 gallons a minute when drilled. Electric log in files of Texas State Board of Water Engineers. See log.
E33	½ mile east	do.	Layne-Texas Drilling Co.	1941	506	16, 10½	a/295	1941	T,E, 25	P	Casing: 16-inch to 285 feet, 10½-inch from 196 to 411 feet. Screens from 299 to 310, 320 to 362, and from 395 to 406 feet. See log.
E34	½ mile southeast	do.	J. L. Meyers & Sons	1948	417	8	a/315.3	Jan. 11, 1950	T,E, 25	P	Casing: 417 feet.
E35	¼ mile southwest	do.	do.	1950	417	8	273.0	Mar. 16, 1950	T,E, 25	N	Casing: 417 feet. Yield 21 gallons a minute June 23, 1950. See log of abandoned well at same location and depth.
E36	¼ mile southwest	do.	Q. D. Lewis	1923	517	8	410	1923	None	N	Casing: 517 feet. See log.
E37	1½ miles southwest	O. A. Young	Bill Russell	1945	69	4	20.1	Nov. 14, 1949	C,E, ½	D	Casing: 65 feet, slotted from 35 to 65 feet. Water reported from second sand. Pump set at 42 feet.
E38	do.	J. R. Peterson	Measures Bros. Drilling Co.	1945	120	6	--	--	J,E, ½	D	
E39	2½ miles southwest	G. W. Gates	--	1850	87	60	29.3	Dec. 15, 1949	C,W	D	Pump set at 80 feet.
E40	2½ miles south	K. J. Foster	--	Old	140	4	--	--	C,E, ½	D,S	
E41	2½ miles southeast	O. Rucker	Henry Measures	1930	90	4	68.9	Mar. 6, 1950	C,W	D,S	
E42	5 miles southeast	H. Counts	Measures Bros. Drilling Co.	1949	103	6	39.6	Mar. 7, 1950	J,E, ½	D,S	Casing: 103 feet.
E43	6 miles southeast	C. E. Phillips	--	Old	30	36	20.1	do.	C,H	D	
E44	7 miles southeast	S. D. Duncan	Measures Bros. Drilling Co.	1946	160	5	--	--	C,E, ½	D,S	Water reported from second sand.
E45	8 miles southeast	Mrs. D. Hounsel	--	Old	100	4	35.8	Dec. 13, 1949	C,W	D	
E46	7 miles southeast	S. N. Duncan	--	Old	120	4	--	--	C,W	D,S	
E47	8 miles southeast	U. Shaw	--	--	190	--	--	--	C,E, ½	D,S	

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
E48	6 miles southeast	D. Muir	Fort Worth Drilling Co.	1946	484	8, 5/8	a/368	Dec. 23, 1946	C,W	D,S	Casing: 8-inch to 272 1/2 feet, 5 1/2-inch from 272 1/2 to 484 feet. Water reported from sand at 475 to 484 feet.
E49	3 1/2 miles south	Mrs. B. F. Shrum	Bill Ruuaell	1949	100	6, 4	--	--	J,E, 1/2	D	Casing: 6-inch to 45 feet, packer at 45 feet, 4-inch from 0 to 100 feet.
E50	3 1/2 miles south	W. G. Betty	--	1929	85	5	--	--	C,W	D	
E51	4 miles southwest	W. M. Beal	--	1930	275	4	a/100	1930	C,E,W, 1/2	D,S	Casing: 275 feet.
E52	4 1/2 miles southwest	Bethel Methodist Church	J. Young	1946	90	4	--	--	C,E, 1/2	D	Weak well.
E53	5 1/2 miles south	C. M. Winstead	--	Old	150	--	--	--	C,W	D	
E54	6 1/2 miles southeast	R. H. Glen	D. Young	1944	100	6	--	--	C,E, 1/2	D	
E55	6 miles southeast	Louis Farmer	Measures Bros. Drilling Co.	Old	200	6	--	--	C,E, 2	D,S	
E56	9 1/2 miles southeast	Dr. S. Jagoda	--	Old	180	4	--	--	C,W	D,S	Base of water sand reported 300 feet below land surface.
F1	9 miles east	B. H. Bailey	--	1920	165	4	--	--	C,E,W, 1/2	D,S	
F2	12 miles east	M. L. Farmer	W. W. Johnson	1925	310	6	a/240	1925	C,E,W, 1/2	D,S	Casing: 300 feet. Supplies 120 dairy cows. Pump set at 270 feet.
F3	13 miles east	R. E. Farmer	--	Old	256	4	--	--	C,E, 1 1/2	D,S	Pump set at 245 feet.
F4	13 1/2 miles east	J. J. Dearing	Hall & Hutchins	1947	704	7	--	--	C,E, 3	D,S	Pump set at 500 feet.
F5	14 1/2 miles east	W. Fleming	--	Old	250	6	--	--	C,E,W, 1/2	D,S	
F6	11 miles east	George Begga	Fort Worth Drilling Co.	1946	357	7	259.9	Dec. 6, 1949	C,W	S	Casing: 281 feet. Reported water level 205 feet when drilled. Pump set at 310 feet. See log.
F7	10 miles east	do.	do.	1945	365	4	--	---	C,W	S	Casing: 365 feet.
F8	9 miles east	C. S. Caylor	--	1940	275	5 1/2	57.7	Dec. 1, 1949	C,E, 1/2	D	
F9	8 miles east	E. Neil	Walter Deal	1942	378	8	108.4	do.	C,W	S	
F10	9 miles east	C. J. Gilliland	--	1942	26	5	a/8	1942	C,E, 1/2	D	Pump set at 21 feet.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
F11	10 miles east	O. L. Burdine	--	1942	235	--	--	--	C,W,G	D	
F12	9 miles southeast	J. W. Wallis	--	Old	125	5	--	--	C,W	D,S	
F13	9½ miles southeast	R. P. Slaton	Bill Russell	1950	81	5	a/48	1950	C,W	D,Irr	Casing: 81 feet. Water sand from 55 to 65 feet cased off. Pumping level 52.7 feet Mar. 3, 1950.
F14	10 miles southeast	A. C. Lasater	Richey Drilling Co.	1946	3,106	12½	+	Mar. 10, 1950	Flows	S	Casing: 200 feet. Abandoned oil well plugged back to 214 feet. Flowed half a gallon a minute Mar. 10, 1950.
F15	do.	do.	do.	1946	548	7½	a/237	1946	J,E, 5	D	Casing: 548 feet, slotted from 430 to 548 feet. Abandoned oil well plugged back to 548 feet. Pump set at 270 feet.
F16	12 miles southeast	J. L. Glover	W. W. Johnson	1946	114	4	84.1	Mar. 7, 1950	C,E, ½	D	
F17	do.	Mrs. M. Laster	Wes Johnson	1938	165	4	--	--	C,W	D,S	
F18	12½ miles southeast	Aledo Public School	--	1909	90	4	--	--	C,E, ½	P	Casing: 90 feet. Water reported from first water sand. Pump set at 86 feet.
F19	do.	Ray Smyth	Henry Measures	1938	212	4	--	--	C,E,G	Ind	Casing: 212 feet. Water reported from third water sand. Pump set at 188 feet.
F20	15 miles southeast	Texas & Pacific R. R. Co.	--	Old	160	4	--	--	--	N	Water reported of poor quality.
F21	14 miles southeast	D. Carr	--	Old	140	4	--	--	C,E, ¾	D,S	
F22	13½ miles southeast	do.	R. Johnson	1946	180	7	--	--	C,W	S	
F23	12 miles southeast	L. T. Heady	do.	1946	161	4	a/100	Mar. 7, 1950	C,W	D	Casing: 161 feet.
F24	do.	Cortez Wile	--	1942	400	4	--	--	C,W	D,S	
F25	do.	Mrs. N. Robbins	R. Johnson	1945	158	4	a/90	1945	C,E, ½	D	Casing: 158 feet, slotted from 124 to 158 feet; water sand from 80 to 90 feet cased off. Pump set at 132 feet.
F26	11½ miles east	Burt & Griffith	Aledo Oil Co.	--	4,853	--	--	--	--	--	See log.
G1	16½ miles southwest	Bill T. Rankin	Measures Bros. Drilling Co.	1949	144	6	34.8	Nov. 15, 1949	C,E, ¾	D	Casing: 56 feet, slotted from 36 to 56 feet. Water reported from water sand at 39-41 feet. Pump set at 120 feet.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
G2	12 miles southwest	W. H. Jones	Lindsay Young	1947	103	4	17.8	Feb. 21, 1950	B,H	S	Casing: 96 feet. Water reported highly mineralized.
G3	9 miles southwest	L. Michou	Seismograph crew	1949	100	5	--	--	J,E, I	D	
G4	8½ miles southwest	Jack Pichard	Measures Bros. Drilling Co.	1950	323	4	109.0	Feb. 24, 1950	C,E, X	D,S	Casing: 219 feet, perforated from 136 to 219 feet, packer set at 135 feet. See log.
G5	10 miles southwest	B. L. Gill	--	Old	80	60	69.2	Dec. 15, 1949	C,W	D,S	
G6	11 miles southwest	D. Sharp	--	--	80	4	a/25	1949	C,W	D,S	
G7	12 miles southwest	T. D. James	--	Old	50	5	14.0	Feb. 21, 1950	B,H	D	
G8	13½ miles southwest	P. W. Cardwell	--	Old	20	48	11.2	do.	R,G	D,S	
G9	14 miles southwest	A. Mosier	--	Old	50	4	16.2	do.	--	N	Weak well. Water reported highly mineralized.
G10	do.	do.	--	1905	80	4	--	--	C,H	D	Water reported mineralized.
G11	do.	do.	--	-- Spring	--	--	+	Feb. 21, 1950	Flows	S	Supplies 50 cattle.
G12	do.	J. Estes	--	-- Spring	--	--	+	do.	Flows	D,S	Estimated flow, 8 gallons a minute Feb. 21, 1950.
G13	14½ miles southwest	Woods Heirs	--	--	80	5	63.0	do.	B,H	N	Weak well. Water reported highly mineralized.
G14	12½ miles southwest	R. C. Warren	R. C. Warren	1945	36	5	a/14	do.	C,E, X	D	Casing: 36 feet.
G15	12 miles southwest	Dennis Consolidated School	--	1929	40	36	--	--	C,W	P	
G16	do.	F. Hubbard	F. Hubbard	--	40	--	28.0	Feb. 23, 1950	C,W	D,S	
G17	11 miles southwest	J. D. Townsend	Henry Measures	1912	91	6, 4	50.5	Feb. 24, 1950	C,W	D,S	Casing: 60 feet. Water reported from second sand. Pump set at 82 feet.
G18	13 miles southwest	G. L. Hitt	G. L. Hitt	1918	30	2	20.1	Feb. 23, 1950	C,W	D,S	Pump column used as casing.
G19	do.	R. E. McNutt	F. Hubbard	--	24	5	17.0	Dec. 15, 1949	B,H	D	Casing: 24 feet.
G20	do.	C. V. Coombs	Measures Bros. Drilling Co.	1948	140	--	--	--	--	--	Dry hole. See log.
G21	12½ miles southwest	T. Medar	F. Hubbard	1942	19½	5	a/14	1950	C,W	D	
G22	13½ miles southwest	W. H. Murphy	--	1927	80	--	--	--	C,E, X	D	Pump set at 60 feet.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
G23	16 miles southwest	J. Shelton	--	--	280	4	--		C,H	N	Water reported highly mineralized.
G24	do.	J. W. Key	J. W. Key	Old	20	36	12.1	Feb. 23, 1950	B,H	D	
G25	16½ miles southwest	J. B. Schultz	A. L. Larue	1932	60	48	19.4	Dec. 15, 1949	C,W	S	
G26	14 miles southwest	O. Cooper	--	Old	100	5	a/35	Feb. 23, 1950	C,W	D,S	
G27	do.	R. D. Martin	--	Old	25	30	18.1	do.	C,E, 1	D	Casing: 25 feet of concrete pipe.
G28	13 miles southwest	W. R. Riddle	W. R. Riddle	1938	20	2	--	--	C,W	D,S	Driven well.
G29	14 miles southwest	G. W. Andrews	G. W. Andrews	1929	30	2	--	--	C,W	D	Do.
G30	17 miles southwest	A. F. Gilbert, Ben H. Tolbert	A. F. Gilbert, Ben H. Tolbert	--	3,813	--	--	--	--	--	See log.
G31	15 miles southwest	-- Davis	Cosbrook Petroleum Co.; Ranger Rock Oil Co.	--	4,220	--	--	--	--	--	Do.
G32	16 miles southwest	R. A. Wheeler	J.L.Higginbotham	1941	5,255	--	--	--	--	--	Altitude 889 feet. b/ See log.
H1	7½ miles southwest	Lee Thompson	Measures Bros. Drilling Co.	1949	200	7	a/100	1949	C,E, ½	D,S	Casing: 200 feet, slotted from 137 to 200 feet. Reported yield 30 gallons a minute with drawdown of 10 feet when drilled. Pump set at 120 feet. See log.
H2	7 miles south	H. Briscoe	J. R. Lewis	1919	235	--	--	--	C,E, ½	D	Casing: 235 feet.
H3	8 miles southeast	Mrs. Kate Shaw	J. F. Young	1943	119	5½	--	--	C,E,W, ½	D,S	Casing: 119 feet. Pump set at 90 feet.
H4	do.	G. N. Pickard	Measures Bros. Drilling Co.	1949	323	8	257.5	Dec. 8, 1949	C,W	D,S	Casing: 323 feet. Reported yield 18 gallons a minute with pumping level at 260 feet when drilled. See log.
H5	11 miles southeast	Wade Moore	Frank Watts	1949	295	4, 3	184.0	Dec. 13, 1949	C,W	D,S	Casing: 295 feet, slotted from 232 to 295 feet. See log.
H6	10 miles southeast	R. E. Back	--	--	300	--	--	--	C,W	D,S	Pump set at 260 feet.
H7	9¼ miles south	S. C. Cunn	Stanley Paris	1939	148	3	87.6	Mar. 6, 1950	C,W	D,S	Casing: 148 feet. Water reported from second sand at 91 to 148 feet. Pumping level 91 feet Mar. 6, 1950.

Table 3.- Records of wells in Parker County--Continued

Well	Distance from Weatherford	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water level		Method of lift	Use of water	Remarks
							Below land surface (ft.)	Date of measurement			
H8	9½ miles south	A. C. Harrington		Old	100	4	--	--	C,W	D	Pump set at 60 feet.
H9	10 miles south	Mrs. Don Siak	George Pilan	1900	85	--	50.9	Feb. 29, 1950	C,W	D	
H10	11 miles south	Tin Top Community	Seismograph crew	1949	123	4	a/85	1949	C,G, 1	P	
H11	9 miles south	W. McLaughlin	Measures Bros. Drilling Co.	1950	180	4	a/140	1950	C,H	D	Casing: 180 feet. Reported yield 10 gallons a minute with drawdown of 20 feet when drilled.
H12	12½ miles southeast	Martin Bros.	--	Old	98	5	--	--	C,W	D,S	Casing: 98 feet.
H13	do.	F.M. McFarland	--	Old	285	6	a/200	1949	C,W	D,S	
H14	15½ miles southeast	W. H. King	Wes Johnson	1948	280	4	--	--	C,W	D	
H15	13 miles southeast	Martin Bros.	--	Old	50	48	39.5	Mar. 1, 1950	C,E, 1/3	D	Dug. No curbing.
H16	13½ miles south	Ben Anderson	Measures Bros. Drilling Co.	1947	310	6	82.2	do.	C,W	D	Casing: 310 feet. Pumping level 155.5 feet below land surface Feb. 28, 1950, while pumping about 3 gallons a minute.
H17	12 miles south	W. B. Kaiser	--	Old	300	--	--	--	C,E, ½	D	
H18	12½ miles south	S. D. Berry	--	Old	30	6, 3	--	--	C,G,W, 1	D	Drilled to 20 feet, driven from 20 to 30 feet. Pump set at 29 feet.
H19	13 miles south	H. N. Hutcheson	--	Old	180	--	--	--	C,H	D	
H20	10 miles southeast	Raymond Buck	Devonian Oil Co.	1943	7,120	--	--	--	--	--	Altitude 1,115 feet. b/ See log.
J1	14 miles southeast	Paul Bryenton	Fort Worth Drilling Co.	1945	125	4	--	--	C,G, ½	D	Casing: 108 feet. See log.
J2	16 miles southeast	Mrs. L. Smith	--	1900	75	4	--	--	C,W	D	Casing: 75 feet.
J3	do.	Chester Wiley	W. Johnson	1947	168	6	a/35	1947	J,E, 1	D,S	Casing: 168 feet, slotted from 126 to 168 feet.
J4	17 miles southeast	R. L. Griffin	--	1942	125	6	--	--	--	N	
J5	18 miles southeast	I. L. Spears	--	Old	200	4	--	--	C,E, ½	D	Pump set at 190 feet.
J6	do.	J. Miles	--	Old	200	4	--	--	C,W	D,S	

a/ Reported.

b/ Altitude from oil company log.

Table 4.- Drillers' logs of wells in Parker County, Tex.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Well A9					
B. F. Middleton, 17 miles northwest of Weatherford.					
Clay, red	6	6	Shale	15	59
Sand, loose	20	26	Clay, yellow, sandy	13	72
Sand	9	35	Shale, sandy	19	91
Sand, muddy	9	44	Sand; water	28	119
Well A27					
Peaster Public School, 8 miles northwest of Weatherford.					
Sand	20	20	Shale, sandy	40	150
Sand, hard	20	40	Sand; water	25	175
Sand; water	40	80	Lime and shale, sandy	25	200
Shale, sandy	20	100	Sand; water	15	215
Lime	10	110	Shale, limy	5	220
Well A42 (partial log)					
J. W. Davis, 1 1/2 miles northwest of Weatherford.					
Mud	178	178	Lime, broken	30	430
Lime, white	35	213	Slate, white	70	500
Lime, broken	50	263	Lime	5	505
Lime	26	289	Slate, white	65	570
Slate	26	315	Lime; little water	8	578
Lime	15	330	Slate	22	600
Slate	10	340	Lime	12	612
Lime	5	345	Slate, white; water	169	781
Slate	15	360	Shale, sandy	29	810
Lime	15	375	Shale, blue	85	895
Sand; fresh water	25	400	Total Depth		2,270
Well A43 (partial log)					
C. L. Reynolds, 16 miles northwest of Weatherford.					
Clay, yellow	10	10	Lime, gray	10	340
Shale, gray	75	85	Shale, gray	10	350
Sand, gray	40	125	Lime, gray, hard	80	430
Shale, gray	5	130	Slate, blue	10	440
Sand. Hole full of water	10	140	Sand, gray, soft	106	546
Shale, gray	15	155	Shale, gray, soft	50	596
Lime, gray	5	160	Lime	14	610
Shale, gray	15	175	Sand	130	740
Shale, red	5	180	Slate, blue	35	775
Shale, gray, r.	15	195	Slate, black	5	780
Shale, red	40	235	Lime	15	795
Sand, gray	25	260	Sand. Hole full of water	15	810
Shale, red	15	275	Slate	30	840
Sand, gray; water	35	310	Sand	20	860
Shale, red, caving	20	330	Total depth		4,200

Table 4.- Drillers' logs of wells in Parker County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
Well A44 (partial log)							
Bernice Culwell, 15½ miles northwest of Weatherford.							
Sand and clay	7	7	Shale, red	30	310		
Shale	36	43	Sand; water	15	325		
Sand, hard; water	22	65	Shale, sandy	45	370		
Shale and sand	15	80	Sand, water	5	375		
Sand; water	20	100	Shale, red	14	389		
Shale and sand	18	118	Sand; water	6	395		
Sand; water	32	150	Shale, red	57	452		
Shale and sand	15	165	Sand; water	15	467		
Sand; water	17	182	No water	278	745		
Shale, red, and stringers of lime ..	98	280	Total depth		6,565		
Well A45 (partial log)							
McWilliams, C. T. Reynolds, 14 miles northwest of Weatherford.							
Shale	85	85	Sand, soft	116	546		
Sand, soft	55	140	Shale, soft	50	596		
Shale, soft	15	155	Lime, medium	14	610		
Lime, soft	5	160	Sand, medium	130	740		
Shale, soft	78	238	Sand, soft	50	790		
Sand, soft	22	260	Lime, hard	5	795		
Shale, soft	15	275	Sand, medium	15	810		
Sand, soft	35	310	Slate, soft	30	840		
Shale, soft	40	350	Sand, soft	20	860		
Lime, hard	80	430	Total depth		4,370		
Well A46 (partial log)							
J. R. Davidson, 15 miles northwest of Weatherford.							
Surface	110	110	Shale and sand	20	410		
Sand	35	145	Sand	50	460		
Sand and shells	195	340	Shale, shells, and sand	73	533		
Shale, yellow	10	350	Shale and sand	431	964		
Shale, blue	23	373	Total depth		6,516		
Shale	17	390					
Well A47 (partial log)							
C. P. Johnson, 15 miles northwest of Weatherford.							
Clay	42	42	Shale and streaks of sand	30	720		
Lime	8	50	Sand, hard	15	735		
Sand	20	70	Shale and streaks of sand	25	760		
Sandy, limy	26	96	Lime	35	795		
Lime	19	115	Shale and lime	35	830		
Shale, shells, and lime	289	404	Lime	30	860		
Shale and shells	76	480	Shale and streaks of lime	25	885		
Shale and sand	80	560	Sand	15	900		
Shale, sand, and streaks of lime ..	130	690	Total depth		6,174		

Table 4.- Drillers' logs of wells in Parker County--Continued

Thickness (feet)		Depth (feet)	Thickness (feet)		Depth (feet)
Well A48 (partial log)					
B. C. Evans, 17 miles northwest of Weatherford.					
Shale, red	16	16	Shale, blue	66	307
Sand; fresh water	2	18	Lime, sandy	18	325
Shale, red	53	71	Sand, white	5	330
Sand; water	2	73	Hole full of water		
Shale, blue	87	160	Lime, white	3	333
Lime, dark, hard	18	178	Sand, white	28	361
Lime, blue	12	190	Lime, gray	40	401
Shale, blue	30	220	Shale, blue	70	471
Lime, blue	21	241	Total depth		4,780
Well A49 (partial log)					
-- Herring, 19 miles northwest of Weatherford.					
Shale, red	45	45	Shells, lime	30	485
Shale	75	120	Shale	75	560
Sand	20	140	Sand	30	590
Shale	110	250	Shale	140	730
Sand; fresh water	30	280	Sand. Hole full of water	45	775
Shale	110	390	Shale	95	870
Sand	15	405	Sand. Hole full of water	80	950
Shale	7	412	Shale	120	1,070
Sand, Hole full of water	43	455	Total depth		2,855
Well A50 (partial log)					
T. L. Bradley, 18 miles northwest of Weatherford.					
Clay, yellow	60	60	Shale, blue	115	850
Slate, blue	320	380	Slate, white	40	890
Sand, white, Hole full of water	20	400	Sand, white	20	910
Shale, blue	120	520	Lime, white, broken	30	940
Lime, white	30	550	Shale, blue	50	990
Sand, white	30	580	Lime, white	10	1,000
Lime, white	30	610	Shale, blue	76	1,076
Shale, blue	60	670	Sand, white. Hole full of water	44	1,120
Slate, black	10	680	Shale, blue	240	1,360
Sand, white. Hole full of water	20	700	Lime, white	5	1,365
Lime, sandy	15	715	Sand, white. Plenty of water to drill	10	1,375
Sand, white	20	735	Total depth		4,500

Table 4.- Drillers' logs of wells in Parker County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
Well A51 (partial log)							
R. E. Boyd, 14 miles northwest of Weatherford.							
Sand	5	5	Shale, blue	50	140		
Sand, yellow	15	20	Shale, black	18	158		
Sand, red	5	25	Shell, lime	5	163		
Sand, yellow	20	45	Shale, gray	30	193		
Sand, red	23	68	Sand, water	39	232		
Sand, yellow	3	71	Shale, gray	8	240		
Lime	3	74	Sand, water	28	268		
Sand, yellow	6	80	Conglomerate	24	292		
Sand and gravel	2	82	Shale, blue	8	300		
Shale, brown	8	90	Total depth		1,202		
Well A52 (partial log)							
-- Peaster, 6½ miles northwest of Weatherford.							
Soil	3	3	Sand, and shell	3	316		
Clay, red	17	20	Shale, blue	138	456		
Lime; surface water	10	30	Shale, black	53	509		
Shale, white	30	60	Shell	3	512		
Lime	6	66	Limestone	88	600		
Shale, white	14	80	Shale, blue	80	680		
Lime	5	85	Lime	10	690		
Shale, white	31	116	Shale, black	34	724		
Sand, water	75	191	Sand; salt water	28	752		
Shale, white	9	200	Shale, blue	22	774		
Rock, red	17	217	Lime	12	786		
Shale, blue	38	255	Shale, white	94	880		
Rock, red	25	280	Lime	12	892		
Shale, white	10	290	Shale, blue	33	925		
Shale, brown	16	306	Sand; water	20	945		
Shale, white	3	309	Shale, blue	189	1,134		
Shale, blue	6	315	Total depth		?		
Well A53 (partial log)							
C. H. Tompkins, 7 miles northwest of Weatherford.							
Sand and clay	45	45	Sand and shale	312	900		
Sand and streaks of shale	327	372	Shale, sandy	212	1,112		
Sand and shale	128	500	Total depth		7,980		
Shales and shells	88	588					

Table 4.- Drillers' logs of wells in Parker County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Well B6					
C. W. Prescott, 15 miles north of Weatherford.					
Sand and clay, yellow	34	34	Rock, sandy	12	92
Sand; water	8	42	Sand; water	13	105
Sandstone, blue	11	53	Lime	4	109
Shale, sandy	27	80			
Well B28					
B. L. White, 7 miles northeast of Weatherford.					
Caliche	10	10	Sand; water	10	45
Sand	7	17	Shale	2	47
Sand; water	3	20	Sand; water	31	78
Sand, yellow	15	35	Shale	2	80
Well B32					
North Side Consolidated School, 5½ miles northeast of Weatherford.					
Shells, shale and lime	55	55	Shale, sandy	8	218
Sand, seep	86	141	Shale, blue	7	225
Sand; water	69	210			
Well B33 (partial log)					
J. W. Grant, 16 miles northeast of Weatherford.					
Surface	3	3	Sand; water	15	325
Shell	2	5	Shale	20	345
Shale	5	10	Sand; water	9	354
Clay	10	20	Rock, red	6	360
Shale	22	42	Shale	11	371
Lime	3	45	Sand; water	15	386
Sand; water	5	50	Rock, red	14	400
Lime	8	58	Shale	5	405
Shale	27	85	Rock, red	27	432
Sand; water	7	92	Lime	3	435
Shale	28	120	Rock, red	6	441
Lime	5	125	Shale	34	475
Lime and shells, broken	5	130	Shale, gray and blue	147	622
Shale	25	155	Sand, dry	35	657
Lime	3	158	Shale, blue	33	690
Sand and shells	20	178	Sand; water	25	715
Shells	22	200	Shale, blue	20	735
Shale	12	212	Sand	5	740
Lime	5	217	Shale	15	755
Rock, red	5	222	Sand	1	756
Shale	38	260	Shale, gray	17	773
Sand, dry	7	267	Sand; water	14	787
Shale, sandy	23	290	Shale, blue	117	904
Lime	5	295	Total depth		1,463
Shale	15	310			

Table 4.- Drillers' logs of wells in Parker County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Well B34 (partial log)					
Owner unknown, 15 miles northeast of Weatherford.					
Soil	6	6	Shale, blue	10	200
Shale, gray	39	45	Shale, sandy	5	205
Sand; water	10	55	Redbeds	5	210
Shale, blue	10	65	Shale	45	255
Lime, gray	20	85	Sand	15	270
Shale, gray	5	90	Shale	25	295
Sand	8	98	Sand	20	315
Shale and lime	32	130	Shale	10	325
Shale, blue	40	170	Redbeds	10	335
Redbeds	5	175	Sand	35	370
Shale, blue	5	180	Total depth		?
Lime, sandy	10	190			
Well B35 (partial log)					
W. J. B. Culwell 14½ miles northeast of Weatherford.					
Shale and sand	110	110	Sand, lime, and streaks of shale, hard	27	741
Sand and streaks of lime, hard	56	166	Shale and streaks of sand	157	898
Shale and streaks of sand	408	574	Shale and coal	42	940
Shale, lime, and streaks of sand ..	68	642	Shale and streaks of coal	88	1,028
Coal and streaks of shale	12	654	Total depth		4,002
Shale and streaks of sand	17	671			
Sand, hard, and shale	43	714			
Well B36 (partial log)					
-- Harrison, 6 miles northeast of Weatherford.					
Lime	2	2	Sand; water	2	542
Soft formation	118	120	Rock and slate, red	98	640
Slate	20	140	Sand	10	650
Sand, caving; water	15	155	Slate and sand	290	940
Rock and sand, red	275	430	Slate	30	970
Slate and rock, red, caving	50	480	Sand and slate	130	1,100
Sand. Hole full of water	20	500	Total depth		3,442
Rock, red	40	540			
Well C16					
F. H. Harrison, 18 miles northeast of Weatherford.					
Soil, red	6	6	Lime and sand	13	227
Clay, yellow, soft	8	14	Sand	49	276
Sand, light	24	38	Sand, red	5	281
Sand and gravel	6	44	Shale, blue, gritty	5	286
Gumbo, blue, and shells, hard	102	146	Sand; water	7	293
Shells and lime, hard	32	178	Shale, blue, gritty	21	314
Gumbo and lime, blue	24	202	Sand; water	6	320
Gumbo, blue	12	214			

Table 4.- Drillers' logs of wells in Parker County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Well C17					
North Fort Worth Ice Co., 18 miles northeast of Weatherford.					
Surface	20	20	Shale, white	5	75
Gravel	13	33	Sand; water	5	80
Shale, gray	17	50	Shale	35	115
Rock, and shell	4	54	Lime, broken	38	153
Shale, brown	16	70	Plugged back to 80 feet.		
Well C28 (partial log)					
Owner unknown, 17½ miles northeast of Weatherford.					
Sand and clay	30	30	Sand, white, clean	60	395
Sand rock	50	80	Shale	35	430
Lime, shale, and streaks of sand ..	115	195	Total depth		?
Shale and sand	140	335			
Well C29 (partial log)					
F. B. Browder, 18 miles northeast of Weatherford.					
Soil	15	15	Sand; water	10	360
Sandstone	45	60	Shale	20	380
Sand; water	10	70	Redbeds	30	410
Lime	30	100	Shale, sandy	30	440
Shale, shelly	50	150	Lime	10	450
Sand; water	10	160	Redbeds and shale	115	565
Conglomerate	60	220	Shale, shelly	15	580
Sand; water	10	230	Sand; water	10	590
Lime	15	245	Lime, sandy	35	625
Shale, gritty	15	260	Shale, shelly	320	945
Sand	20	280	Sand; salt water	5	950
Shale, gray	30	310	Shale, sandy	23	973
Shale, shelly	40	350	Total depth		3,190
Well C30 (partial log)					
Williams & Pickens, 14½ miles northeast of Weatherford.					
Sand and clay	30	30	Shale, blue	10	410
Shale	13	43	Rock, red	17	427
No record	17	60	Shale, blue	8	435
Sand; water	10	70	Lime	5	440
Shale, blue	67	137	Sand; water	10	450
Sand; water	8	145	Shale, blue	16	466
Shale, blue	3	148	No record	18	484
Lime	4	152	Lime, bard	19	503
Shale, blue	8	160	Conglomerate	62	565
No record	24	184	Shale, blue	5	570
Shale, blue	26	210	Rock, red	15	585
No record	60	270	Shale, blue	10	595
Shale, blue	10	280	Sand; water	27	622
Rock, red	10	290	Shale, blue	77	699
Shale, gray	5	295	Sand	6	705
Lime	5	300	Shale, blue	215	920
Shale, gray	4	304	Lime, sandy	7	927
No record	31	335	Shale, blue	22	949
Sand; water	15	350	Sand, salt, and no water	5	954
Shale, blue	46	396	Total depth		1,702
Sand; water	4	400			

Table 4.- Drillers' logs of wells in Parker County--Continued

	Thick ess (feet)	Depth (feet)		Thick ess (feet)	Depth (feet)
Well C31 (partial log)					
-- Scruggs, 17½ miles northeast of Weatherford.					
Sand and clay	2	2	Sand, gas	287	753
No record	20	22	Sand, shelly	40	793
Shale and sandstone, blue	20	42	Shale, blue	5	798
Lime, hard, sandy	6	48	Shale	132	930
Shale with sand and shells	312	360	Sand, gas	103	1,033
Lime, sandy	70	430	Shale, salty	192	1,225
Shale, blue	36	466	Total depth		2,503
Well D6					
S. J. Davis, 12 miles west of Weatherford.					
Soil	2	2	Shells and shale	17	147
Clay, yellow	41	43	Shale, ss dy, and lime	1	148
Shale, blue	27	70	Shale, and sand, sandy; water ..	32	180
Shale, blue and black	60	130	Coal	1	181
Well D38					
N. F. Lummis, 2¾ miles southwest of Weatherford.					
Sand	35	35	Sand, yellow	13	86
Shale, blue	25	60	Lime, shale and sand	4	90
Sand, shells, lime, and shale	3	63	Sand; water	6	96
Shale, sandy, and lime shells	10	73			
Well D45					
L. M. Barrett, 9¾ miles southwest of Weatherford.					
Sand	20	20	Gravel	12	50
Redbeds	18	38	Sand; water	25	75
Well D68 (partial log)					
Rock Creek, 15 miles west of Weatherford.					
Soil	5	5	Shale, blue	20	260
Sandstone, brown	20	25	Sand, dry	8	268
Clay, yellow	5	30	Shale, light	157	425
Shale, blue	15	45	Lime	4	429
Lime	7	52	Shale, blue	16	445
Shale, gray	24	76	Sand, brown; salt water	15	460
Sand, light	10	86	Shale, light	80	540
Sand, dark, hard	5	91	Total depth		3,615
Shale, dark	139	230			
Sand, dry	10	240			

Table 4.- Drillers' logs of wells in Parker County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
Well D69 (partial log)							
Lem Lamkin, 12 miles west of Weatherford.							
Soil, red	4	4	Shale, blue	8	220		
Lime; little water	9	13	Lime	10	230		
Redbeds	14	27	Shale, blue	20	250		
Shale, blue	13	40	Sand; water	85	335		
Lime	10	50	Shale, blue. Hole full of water ..	51	386		
Shale, blue	1	51	Lime	69	455		
Lime	9	60	Shale, blue	15	470		
Shale, blue	6	66	Sand; water	16	486		
Lime	16	82	Shale, blue	174	660		
Sand; water. Hole full of water	20	102	Shale, black	20	680		
Lime	4	106	Shale, blue	12	692		
Shale, blue	6	112	Sand; water	8	700		
Lime	2	114	Shale, black	4	704		
Shale, light blue	21	135	Total depth		?		
Lime	77	212					
Well D70 (partial log)							
C. C. McDonald, 11½ miles northwest of Weatherford.							
Clay, yellow	12	12	Shale, blue	16	287		
Lime	1	13	Lime, hard	28	315		
Clay, yellow	52	65	Shale, blue	20	335		
Sand	10	75	Lime	5	340		
Shale, blue	67	142	Shale, gray	10	350		
Lime	23	165	Shale, blue	120	470		
Shale, blue	70	235	Sand	15	485		
Lime	5	240	Shale, sandy	15	500		
Shale, gray	20	260	Lime	60	560		
Lime	11	271	Total depth		3,430		
Well D71 (partial log)							
O. V. Sneed, 12 miles northwest of Weatherford.							
Sand	30	30	Shale	39	987		
Sand, hard	20	50	Lime	8	995		
Shale, blue	35	85	Shale	45	1,040		
Sand, hard	20	105	Sand	12	1,052		
Shale	20	125	Shale, sandy	38	1,090		
Sand, hard	15	140	Shale	36	1,126		
Shale	105	245	Sand	10	1,136		
Shale, black	5	250	Shale	59	1,195		
Shale	32	282	Lime	20	1,215		
Sand; fresh water	33	315	Shale	5	1,220		
Shale	530	845	Lime	20	1,240		
Lime	9	854	Shale	30	1,270		
Shale	11	865	Sand; water	45	1,315		
Sand	13	878	Total depth		5,415		
Shale	67	945					
Lime	3	948					

Table 4.- Drillers' logs of wells in Parker County--Continued

Thickness (feet)		Depth (feet)		Thickness (feet)		Depth (feet)	
Well D72 (partial log)							
Lee Byrd, 10 miles southeast of Weatherford.							
Soil	10	10	Shale, yellow	8	150		
Sand, water	12	22	Shale, blue	65	215		
Shale, red	28	50	Shale, black	18	233		
Sand; water	5	55	Lime	2	235		
Lime	10	65	Shale, sandy, blue	45	280		
Sand, dry	5	70	Shale, black	8	288		
Shale, purple	10	80	Coal	3	291		
Shale, yellow	40	120	Shale, sandy, blue	256	547		
Shale, purple	15	135	Total depth		1,003		
Sand, brown, dry	7	142					
Well D73 (partial log)							
Mrs. G. R. Peters, 12 miles west of Weatherford.							
Surface	5	5	Lime	8	285		
Clay, yellow	10	15	Shale, sandy	10	295		
Shale, blue	35	50	Sand; salt water	25	320		
Sand, dry	5	55	Shale, black	15	335		
Shale, sandy	20	75	Shell, lime	3	338		
Lime	5	80	Coal	2	340		
Shale, blue	25	105	Shale, sandy	50	390		
Lime	6	111	Sand; salt water	40	430		
Shale, blue	149	260	Shale, blue	40	470		
Shale, black	17	277	Total depth		1,002		
Well D74							
Mrs. F. L. Langford, 13 $\frac{1}{4}$ miles west of Weatherford.							
Soil	10	10	Sand	10	370		
Sandstone	10	20	Shale, blue	40	410		
Shale, blue	30	50	Shale, sandy	50	460		
Lime	5	55	Shale	75	535		
Shale, blue	5	60	Sand	10	545		
Sand	10	70	Shale	35	580		
Shale, blue	30	100	Shale, sandy	20	600		
Lime	10	110	Shale, blue	19	619		
Shale, blue	15	125	Lime	5	624		
Shale, sandy	50	175	Shale, blue	66	690		
Shale, blue	100	275	Lime	5	695		
Lime	10	285	Shale, blue	40	735		
Shale, sandy	30	315	Shale, sandy	15	750		
Shale, blue	45	360	Lime	25	775		

Table 4.- Drillers' logs of wells in Parker County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
Well D75 (partial log)							
E. W. Morton, 14 miles west of Weatherford.							
Clay, yellow	28	28	Shale	75	365		
Quicksand	4	32	Limestone, white	7	372		
Shale	8	40	Shale	20	392		
Limestone	10	50	Sand; little water	13	405		
Shale	95	145	Shale	83	488		
Limestone	7	152	Lime, hard	14	502		
Shale	103	255	Shale	48	550		
Sand; some salt water	10	265	Lime, hard	8	558		
Shale	15	280	Total depth		2,176		
Sand; some water	10	290					
Well D76 (partial log)							
I. C. Wood, 14 $\frac{1}{2}$ miles west of Weatherford.							
Sand and clay	30	30	Sand	15	795		
Sand and gravel	10	40	Shale	15	810		
Shale	80	120	Lime and sand	20	830		
Lime, sandy	10	130	Shale, broken	60	890		
Shale	80	210	Lime	30	920		
Lime	10	220	Shale	50	970		
Shale	142	362	Lime	25	995		
Lime	18	380	Shale	15	1,010		
Shale	90	470	Lime	55	1,065		
Sand; water	90	560	Shale	80	1,145		
Shale	80	640	Sand, dry	40	1,185		
Lime	45	685	Shale	10	1,195		
Shale	25	710	Sand	5	1,200		
Lime	15	725	Shale	35	1,235		
Shale	40	765	Sand, broken	11	1,246		
Lime	15	780	Total depth		?		
Well D77 (partial log)							
Acme Brick Co., 14 miles southwest of Weatherford.							
Soil	2	2	Shells, white	10	320		
Sand, shell and clay	33	35	Sand	12	332		
Shale, dark-blue	20	55	Slate, black	4	336		
Shale, light-blue	85	140	Slate, light-blue	5	341		
Shale, dark	25	165	Sand	19	360		
Lime	1	166	Shale, black, streaks of sand ..	120	480		
Shale, blue	34	200	Shale, black	25	505		
Shale, black	24	224	Shale, blue, very muddy	40	545		
Lime	6	230	Lime, and shale, blue	25	570		
Shale, blue	10	240	Total depth		?		
Lime	5	245					
Shale and lime	65	310					

Table 4.- Drillers' logs of wells in Parker County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Well D78 (partial log)					
Arteburn Heirs, 13 miles southwest of Weatherford.					
Sand and slate	21	21	Lime, white	24	456
Lime and shell	6	27	Shale, blue	69	525
Shells, blue	168	195	Sand	10	535
Shale, blue	40	235	Shale, gray	18	553
Shale, black	45	280	Lime	33	586
Slate, white	65	345	Slate	9	595
Slate, black	5	350	Sand, gray	12	607
Lime, light	50	400	Slate	14	621
Slate, white	6	406	Sand; salt water	14	635
Lime, white	14	420	Shale, blue	65	700
Slate, white	12	432	Total depth		3,573
Well D79 (partial log)					
Arteburn Heirs, 13½ miles southwest of Weatherford.					
Clay, yellow	30	30	Shale	15	290
Quicksand	14	44	Sand; some water	10	300
Shale	6	50	Shale	78	378
Limestone	10	60	Limestone, white	7	385
Shale	92	152	Shale	20	405
Limestone	8	160	Sand; some water	12	417
Shale	100	260	Shale	81	498
Sand; water	15	275	Total depth		3,055
Well D80 (partial log)					
T. B. Saunders, 6 miles southwest of Weatherford.					
Rock and limestone	251	251	Shale, streaks of lime	300	825
Sand, water	49	300	Shale and sandy shale	471	1,296
Sand and shale, hard	225	525	Total depth		6,509
Well E7					
City of Weatherford, 2½ miles northeast of Weatherford.					
Clay, sandy	2	2	Slate and lime	12	252
Sandstone and layers of shale	56	58	Shale, blue	4	256
Limestone, hard	2	60	Rock	1	257
Shale	1	61	Shale, blue and layers of lime ..	69	326
Limestone, hard	4	65	Sand, white, fine, hard	18	344
Sand, and lime, hard, lime streaks ..	15	80	Rock	2	346
Shale, brown and blue, hard	39	119	Shale	1	347
Sandstone, and limestone, hard	9	128	Sand, fine-grained	5	352
Shale and limestone, blue	11	139	Sand	20	372
Sand, hard; layers of blue shale ...	9	148	Rock	1	373
Sandstone and lime, hard, layers of shale	45	193	Sand	2	375
Shale, blue	11	204	Shale	2	377
Limestone, hard	2	206	Sand, coarse-grained	30	407
Slate and lime	22	228	Rock	2	409
Slate	12	240	Shale, brown and blue	4	413
			Shale, brown	7	420

Table 4.- Drillers' logs of wells in Parker County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Well E9					
Mrs. C. Barthold, 2½ miles northwest of Weatherford.					
Clay	6	6	Shale	20	118
No record	12	18	Sand, water	9	127
Sand; water	46	64	Shale	14	141
Lime	12	76	Lime, hard	7	148
Sand	22	98			
Well E14					
City of Weatherford, 1 mile northwest of Weatherford.					
Clay and sand, mixed	10	10	Shale, light	10	160
Gravel and sand	2	12	Shale, blue	2	162
Sand and shale, mixed, packed	45	57	Shale and clay, blue	4	166
Rock, white	10	67	Limestone, white	12	178
Shale, blue	16	83	Sand, white	8	186
Lime	4	87	Shale	15	201
Shale, blue	3	90	Limestone, hard	5	206
Lime	3	93	Sand, white	6	212
Shale, blue	5	98	Shale, light streaks of blue	38	250
Sandstone, light, hard	12	110	Shale with shell, blue, rock	45	295
Shale, blue	9	119	Sand	88	383
Lime, white	31	150			
Well E16					
City of Weatherford, ¼ mile northwest of Weatherford.					
Soil, black	4	4	Shale	14	239
Clay	9	13	Shale and lime	28	267
Sand and lime	32	45	Lime	3	270
Shale and lime	41	86	Shale	10	280
Lime	22	108	Sand	3	283
Lime and some shale	3	111	Shale and layers of sand	21	304
Lime	51	162	Sand and layers of shale	16	320
Shale, sandy	5	167	Sand	28	348
Shale and shells	4	171	Sand and lime, broken	17	365
Lime	2	173	Shale and redbeda	10	375
Shale	3	176	Sand	10	385
Shale and lime	37	213	Sand and shella	6	391
Shale, sandy	12	225	Shale, hard	10	401

Table 4.- Drillers' logs of wells in Parker County--Continued

Thickness (feet)		Depth (feet)		Thickness (feet)		Depth (feet)	
Well E17							
City of Weatherford, ¼ mile northeast of Weatherford.							
Surface	3	3	Lime, sandy	17	225		
Clay	2	5	Shale, sandy	15	240		
Clay, sandy	13	18	Lime and streaks of sandy shale ...	26	266		
Rock	1	19	Shale	6	272		
Sandstone	6	25	Lime	31	303		
Rock, broken	12	37	Lime, broken	24	327		
Lime, sandy, broken	48	85	Sand	28	355		
Lime	31	116	Shale, red and gray	13	368		
Lime and shells	44	160	Shale, red	16	384		
Sand	11	171	Sand	21	405		
Lime	17	188	Shale	15	420		
Lime, hard	20	208					
Well E20							
Sinclair Refining Co., 2¼ miles northeast of Weatherford.							
Clay and rocks	14	14	Lime	42	215		
Clay and layers of sand	13	27	Shale and lime	56	271		
Sandstone and shale	14	41	Lime	4	275		
Lime, hard	3	44	Shale, brown	7	282		
Shale and sand, blue	27	71	Lime	3	285		
Shale	15	86	Shale and sandy shale	16	301		
Lime	7	93	Sand	7	308		
Lime and shale	39	132	Shale	15	323		
Lime	25	157	Sand and few shale layers	8	331		
Lime, broken	7	164	Sand	18	349		
Sand and some shale	9	173	Shale	2	351		
Well E21							
C. M. Thompson, 2¼ miles east of Weatherford.							
Sand, heaving	14	14	Shale, sandy	25	75		
Sand, yellow, heaving	9	23	Lime and layers of shale	21	96		
Sand, seep	14	37	Sand; water	17	113		
Lime, broken shale and sand	13	50	Shale, blue	12	125		
Well E23							
T. L. Marlowe, 5¼ miles east of Weatherford.							
Lime, white	10	10	Sand and shale, gray	20	93		
Lime, blue	20	30	Sand; water	9	102		
Shale, blue	8	38	Shale, sandy	4	106		
Sand, yellow	7	45	Sand and coal; water	31	137		
Sand, brown	15	60	Shale and lime shells, sandy	15	152		
Sand, yellow	13	73					

Table 4.- Drillers' logs of wells in Parker County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
Well E26							
Pythian Home, 2½ miles east of Weatherford.							
Soil	5	5	Shale, gray	52	348		
Sand, white	15	20	Lime	12	360		
Sand, red	32	52	Shale	4	364		
Sand and light shale	28	80	Sand	4	368		
Sand	10	90	Sand; water	16	384		
Sand and shale, gray	57	147	Shale	3	387		
Sand	13	160	Sand	13	400		
Shale and sand, gray	14	174	Shale	4	404		
Lime, sandy	3	177	Sand, fine-grained	5	409		
Shells, and lime	13	190	Shale	5	414		
Shale, blue	2	192	Sand, coarse-grained	5	419		
Shale and sand, gray	18	210	Sand and acoe lime, very soft, coarse	19	438		
Lime, sandy	18	228	Sand and lime, hard	16	454		
Shale and shells, gray	17	245	Shale, blue	3	457		
Lime	5	250	Shale, red, hard	3	460		
Shale and shells, gray	25	275					
Lime, gray	21	296					
Well E30							
City of Weatherford, 1½ miles southeast of Weatherford.							
Clay and sand	4	4	Lime	35	310		
Clay, gravel, and sand	9	13	Lime, sandy	8	318		
Shale and shells	12	25	Sandstone	6	324		
Sandstone	5	30	Shale, sandy	7	331		
Shale, sandy	30	60	Sand, soft	23	354		
Sand	15	75	Sand, medium hard	14	368		
Gravel	7	82	Sand, hard	17	385		
Lime	132	214	Sand, soft	23	408		
Shale, sandy	19	233	Shale, gray and red	30	438		
Lime, broken	27	260	Rock	1	439		
Shale and lime	15	275					
Well E31							
City of Weatherford, 1½ miles southeast of Weatherford.							
Sand	8	8	Lime	13	163		
Caliche	10	18	Shale, sandy	1	164		
Sand	22	40	Lime	4	168		
Lime	2	42	Shale	11	179		
Shale, sandy	3	45	ime	1	180		
ime	3	48	Shale	5	185		
Shale, sandy	12	60	Shale, sandy	5	190		
Sand; water	13	73	Lime	2	192		
Shale, sandy	12	85	Shale, sandy	25	217		
Sand; water	6	91	Shale	30	247		
Lime	2	93	Shale, sandy	48	295		
Shale	3	96	Shale	5	300		
Lime	3	99	ime	6	306		
Shale	9	108	Shale, sandy	7	313		
Lime	2	110	Shale	7	320		
Lime and shale, broken	10	120	Sand; water	58	378		
Lime	1	121	Redbeds	10	388		
Lime and shale	13	134	Sand; water	17	405		
Lime	12	146	Redbeds	11	416		
Lime and shale	4	150					

Table 4.- Drillers' logs of wells in Parker County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Well E32					
City of Weatherford, $\frac{1}{2}$ mile southeast of Weatherford.					
Sand and clay, broken	12	12	Lime and sand, broken	31	371
Sand	100	112	Sand	6	377
Lime and sand, broken	90	202	Lime	19	396
Lime	37	239	Shale, mixed	13	409
Lime, sand, and shale	55	294	Sand and shale	31	440
Lime	26	320	Shale	8	448
Sand	8	328	Lime	15	463
Lime	12	340			
Well E33					
City of Weatherford, $\frac{1}{2}$ mile east of Weatherford.					
Soil	5	5	Shale, hard	12	318
Sand	16	21	Sand	18	336
Shale, hard, sandy	13	34	Shale, sandy	10	346
Shale, hard, white, sandy, and layers of hard fine-grained sand	32	66	Sand	10	356
Sand, hard, fine-grained	7	73	Shale, hard	15	371
Shale, hard	9	82	Shale, hard, red and blue	18	389
Lime, hard, sandy	3	85	Sand	9	398
Shale, blue	15	100	Shale, red and blue	9	407
Lime	104	204	Shale, red, blue, and yellow ...	50	457
Lime and shale	25	229	Lime	12	469
Shale, hard, and layers of lime	42	271	Shale	31	500
Lime	4	275	Shale, hard, black, fine-grained sand, and lignite	6	506
Shale	19	294			
Sand, fine-grained	12	306			
Well E35					
City of Weatherford, $\frac{1}{2}$ mile southwest of Weatherford.					
Sand, light yellow	30	30	Sand, marly	5	160
Clay, calcareous, and sand	10	40	Sand, gray	5	165
Clay, calcareous, gray and black specks	10	50	Limestone and marl with some sand	5	170
Lime and sand, fine-grained	10	60	Sand, fine-grained, light-colored	10	180
Sand, yellow and white	15	75	Sand, fine-grained, dark-colored	5	185
Marl, greenish	5	80	Sand, coarse-grained	10	195
Limestone, broken, drab and white	5	85	Sand	5	200
Sand, white and pyrites	5	90	Limestone and marl	60	260
Sand, white, and pyrites, finer texture	10	100	Marl	143	403
Shale, calcareous, massive, white	5	105	Sand; water	4	407
Sand with black specks	5	110	Shale, sandy	10	417
Sand with black specks, finer texture.	15	125			
Sand, fine-grained	30	155			

Table 4.- Drillers' logs of wells in Parker County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Well E36					
City of Weatherford, 1/2 mile southwest of Weatherford.					
Rock, broken layers of shell	30	30	Rock, flint, hard	3	263
Sandstone, reddish	12	42	Gumbo, blue	15	278
Sand, packed	48	90	Rock, lime, and streaks of gumbo .	33	311
Sand; water	10	100	Slate, blue, sticky	20	331
Limestone	10	110	Limestone, white, streaks of gumbo	35	366
Sandstone	35	145	Gumbo, grayish	29	395
Gumbo, blue	20	165	Limestone, white	38	433
Sandstone, hard	12	177	Sand, upper 20 feet broken; water		
Sand, fine-grained; water	18	195	at 455 feet	67	500
Shale, blue	35	230	Shale, red and gray	17	517
Lime, white	3	233			
Gumbo, blue	27	260			
Well F6					
George Beggs, 11 miles east of Weatherford.					
Lime	12	12	Sand; water	15	275
Shale, blue	43	55	Shale, blue	7	282
Lime, white	120	175	Sand; water	28	310
Shells	60	235	Lime, white	15	325
Shells, blue	5	240	Sand; water	32	357
Sand	20	260			
Well F7 (partial log)					
George Beggs, 10 miles east of Weatherford.					
Boulders, surface	4	4	Shale, blue	20	160
Lime, white	4	8	Lime, blue, medium	95	255
Clay, yellow	12	20	Shale, brown	5	260
Shale, blue	35	55	Shale, blue	4	264
Lime, white, hard	15	70	Sand; water	12	276
Chalk, white, soft	15	85	Shale, blue	16	292
Shale, blue	2	87	Sand; water	11	303
Lime, white, hard	18	105	Shale, blue	14	317
Shale, blue	3	108	Sand; water	44	361
Lime, white, hard	32	140	Shale, sandy	4	365
Well F14					
A. C. Lasater, 10 miles southeast of Weatherford.					
Surface	19	19	Lime, sandy	31	564
Gravel; water	8	27	Redbeds	10	574
Shale, blue	98	125	Sand and redbeds, broken	76	650
Shale, gray	10	135	Shale, blue	8	658
Shale, blue	28	163	Sand, brown	5	663
Lime, sandy; water	19	182	Lime, sandy	5	668
Shale, blue	38	220	Shale, blue	84	752
Lime, sandy	4	224	Lime, gray	11	763
Lime, gray	51	275	Lime, broken and blue shale	42	805
Shale, blue	28	303	Shale, blue	25	830
Lime	10	313	Lime, sandy	1	831
Shale	47	360	Shale, black	32	863
Lime, gray, sandy	4	364	Lime	3	866
Shale, blue	21	385	Sand, gray; water	19	885
Sand, brown; water	8	393	Shale, blue	62	947
Shale, blue	114	507	Total depth		3,106
Redbeds	5	512	Abandoned oil well, plugged back to		
Shale, blue	12	524	214 feet.		
Sand, gray	4	528			
Redbeds	5	533			

Table 4.- Drillers' logs of wells in Parker County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Well F26 (partial log)					
Bart & Griffith, 11½ miles east of Weatherford.					
Lime	35	35	Sand; water	55	775
Slate	45	80	Slate, sandy	30	805
Lime	95	175	Sand; water	5	810
Slate	25	200	Slate	34	844
Lime	40	240	Sand; water	10	854
Sand	15	255	Rock, red	47	901
Slate	35	290	Sand	14	915
Sand; water	22	312	lime, hard	8	923
Slate	16	328	Rock, red	22	945
Sand; water	62	390	Lime	19	964
Slate	80	470	Slate	76	1,040
Lime	120	590	Sand, hard	45	1,085
Slate	64	654	Slate	45	1,130
Sand; water	60	714	Lime	8	1,138
Slate	6	720	Total depth		4,853

Well G4

Jack Pichard, 8½ miles southwest of Weatherford.

Limestone	10	10	Lime, ray	8	150
Clay, yellow	13	23	Shale, gray	6	156
Shale, blue	14	37	Shale, blue	23	179
Lime, blue	5	42	Lime, gray	11	190
Shale, blue	2	44	Lime, blue	14	204
Shale and lime, blue	12	56	Lime, gray	8	212
Lime, white	14	70	Shale, gray	6	218
Lime, ray	10	80	Sand, dry	16	234
Shale, gray	33	113	Lime, gray	2	236
Lime, ray	12	125	Redbeds	11	247
Shale, gray	6	131	No record	31	278
Lime, gray	4	135	Sand; water	45	323
Shale, ray	7	142			

Well G20

C. V. Coombs, 13 miles southwest of Weatherford.

Soil	5	5	Clay, yellow, sandy	9	110
Shale and redbeds	48	53	Lime	6	116
Sand	36	89	Sand, green, muddy	6	122
Shale, red, sandy	12	101	Shale, black	18	140

Table 4.- Drillers' logs of wells in Parker County--Continued

Thickness (feet)		Depth (feet)		Thickness (feet)		Depth (feet)	
Well G30 (partial log)							
A. F. Gilbert, Ben H. Tolbert, 17 miles southwest of Weatherford.							
Soil, hard, brown	5	5	Shale, blue	146	250		
Lime, white, hard	15	20	Lime, white, hard	6	256		
Shale, blue	10	30	Shale, black	19	275		
Lime, white, hard	12	42	Lime, white, hard	23	298		
Shale, blue	8	50	Shale, blue	25	323		
Sand, white, hard	7	57	Sand, gas	37	360		
Shale, blue	7	64	Shale, blue	345	705		
Lime, white, hard	34	98	Sand	14	719		
Shale, blue	3	101	Shale, brown	166	885		
Sand, white	3	104	Total depth		3,813		
Well G31 (partial log)							
-- Davis, 15 miles southwest of Weatherford.							
Surface	290	290	Lime, light-gray, hard	60	555		
Sand; water at 340 feet	70	360	Shale, gray, soft	35	590		
Shale, light, soft	40	400	Lime, gray, hard	10	600		
Lime, light, hard	15	415	Shale, gray, soft	5	605		
Shale, light, soft	7	422	Lime	10	615		
Sand; some water at 422 feet	10	432	Total depth		4,220		
Shale, light, soft	63	495					
Well G32 (partial log)							
R. A. Wheeler, 16 miles southwest of Weatherford.							
Soil and rock	120	120	Lime	5	580		
Shale, blue	55	175	Shale, blue	110	690		
Lime, hard	10	185	Lime, gray, dark	20	710		
Shale, blue	195	380	Shale, blue	80	790		
Lime	10	390	Lime	7	797		
Shale, gray	100	490	Shale, blue	53	850		
Shale, blue	15	505	Sand, hard	60	910		
Lime, gray	5	510	Shale, blue	280	1,190		
Sand, hard	20	530	Total depth		5,255		
Shale, blue	45	575					
Well H5							
Wade Moore, 11 miles southeast of Weatherford.							
Lime and caliche	7	7	Sand, dry	8	168		
Shale and lime	68	75	Shale, gray, sandy	10	178		
Shale, blue	15	90	Sand; water	25	203		
Lime and shale	55	145	Lime and shale	37	240		
Shale	15	160	Sand; water	55	295		

Table 4.- Drillers' logs of wells in Parker County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Well H20 (partial log)					
Raymond Buck, 10 miles southeast of Weatherford.					
Lime and shale	200	200	Shale and lime	340	1,240
Sand and lime	80	280	Shale and sand	50	1,290
Shale and lime	270	550	Total depth		7,120
Sand	350	900			

Well J1

Paul Bryenton, 14 miles southeast of Weatherford.

Surface, rocky	3	3	Lime, sandy	8	78
Clay	9	12	Shale, soft	7	85
Chalk	13	25	Shale, sandy	13	98
Gravel; water	3	28	Sand; water	24	122
Shale and lime shells	42	70	Lime	3	125

Table 5.- Analyses, in parts per million, of water from wells in Parker County, Tex.
(Well numbers correspond to numbers in table of well records)

PENNSYLVANIAN ROCKS

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Microhmhos at 25° C)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
*A12	J. M. Pearson	400	Dec. 20, 1949	2,500	8.7	12	-	10	3.1	638	777	477	200	3.5	1,730	38	97
A14	Ed. Davis	70	Jan. 24, 1950	4,020	7.5	30	94	358	155	305	242	789	825	13	2,590	1,530	30
A15	O. E. Doss	432	do.	3,640	8.9	3.8	-	6.1	3.2	841	562	774	418	1.8	2,320	28	98
A18	O. W. Cowley	140	do.	1,490	7.3	30	3.1	102	62	136	590	116	143	.0	915	510	37
A34	M. H. Marshall	196	Nov. 22, 1949	923	7.6	10	-	34	19	141	294	37	134	2.0	534	163	65
A37	Acy Maddux	90	Jan. 27, 1950	1,370	7.3	18	20	170	50	76	388	393	47	2.2	1,000	630	21
A38	F. T. Maddux	35	do.	1,779	7.1	28	-	174	58	138	388	339	187	47	1,230	672	31
A40	J. A. Vance	100	Nov. 22, 1949	3,260	7.0	12	-	361	135	303	306	1,100	425	148	2,630	1,460	31
D1	J. F. Neugebauer	96	Nov. 8, 1949	1,160	8.3	15	-	14	7.8	251	464	50	128	1.5	719	67	89
D2	A. J. Evans	112	do.	994	7.5	23	-	66	20	129	368	74	105	1.2	603	246	53
D3	F. Mallick	90	do.	1,980	7.7	19	-	66	28	381	658	321	165	3.2	1,310	280	75
D6	S. J. Davis	181	do.	1,140	7.5	17	-	24	15	220	366	120	121	4.2	721	122	80
D25	A. S. Hightower	100	Jan. 27, 1950	14,400	7.2	9	.40	401	637	2,550	156	4,530	3,010	90	11,300	3,620	61
D29	J. M. Bankhead	30	Feb. 6, 1950	1,600	7.8	11	-	24	13	276	295	126	241	2.5	852	114	84
D53	W. C. Harris	75	Feb. 8, 1950	756	8.2	19	-	60	22	76	380	33	29	22	454	240	41
D55	Oscar Bish	277	do.	14,300	-	-	-	-	-	-	-	.04	4,910	-	-	-	-
D57	W. W. Attebury	75	Nov. 15, 1949	754	7.2	16	-	90	21	46	376	42	42	.8	456	311	24
G2	W. H. Jones	103	Feb. 21, 1950	12,700	7.2	7.2	1.1	87	46	2,730	293	4.6	4,320	16	7,360	406	94

TRAVIS PEAK FORMATION

A1	T. F. Hardy	65	Jan. 24, 1950	1,090	7.4	40	1.2	78	73	46	476	40	115	1.8	642	494	17
A8	W. E. Lawrence	130	Dec. 20, 1949	2,270	8.0	14	-	266	61	170	429	519	275	5.5	1,520	914	29
A9	B. F. Middleton	119	do.	1,300	7.8	10	4.4	16	13	862	300	230	125	1.8	812	94	83
A11	Whitt Public School	60	do.	1,010	7.2	19	-	98	56	35	399	83	66	55	618	75	14
A13	J. C. Patton	60	do.	735	7.3	24	-	117	29	6.3	483	12	6.0	11	443	411	3
A21	E. Davidson	65	Jan. 24, 1950	937	7.5	48	.82	56	46	93	516	69	21	7.5	594	328	38
A27	Peaster Public School	220	Nov. 23, 1949	573	7.2	20	-	92	15	16	335	20	22	.0	354	291	11
A30	Mrs. E. Mathers	130	Nov. 22, 1949	909	7.9	17	-	77	52	50	438	69	59	.8	540	406	21
A31	E. A. Ponds	90	do.	1,270	7.6	19	-	152	60	59	424	293	72	.0	899	626	17
A32	H. B. Jennings	35	do.	980	7.4	18	-	108	43	34	354	103	77	20	614	446	14
A33	W. N. Tucker	57	do.	587	8.2	20	-	57	17	45	207	77	32	20	380	212	32
*A35	W. R. Smith	40	do.	1,290	8.0	20	-	146	44	91	420	269	83	.5	886	546	27
A41	H. O. Ponds	20	Jan. 27, 1950	98.9	7.4	32	-	-	-	7.8	43	14	2.9	.0	75	36	32

* Well A12. fluoride. 2.6; Well A35. fluoride. 0.5.

Table 5.- Analyses, in parts per million, of water from wells in Parker County--Continued

TRAVIS PEAK FORMATION--CONTINUED

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Microhmhos at 25° C)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
B8	Springtown Telephone Co.	240	Dec. 23, 1949	842	8.7	11	-	3.0	1.3	205	420	62	34	2.2	530	13	97
B9	Kline Bros.	122	do.	581	8.6	12	-	2.0	1.3	140	327	19	18	2.2	356	10	97
B10	B. Harrington	101	do.	894	8.3	12	-	12	7.9	187	315	123	57	3.0	564	62	87
B11	Springtown Ice Co.	375	Jan. 17, 1950	1,560	8.3	12	-	3.6	1.6	360	540	134	152	2.2	939	16	98
*B12	Sinclair Refining Co.	385	Dec. 23, 1949	1,310	7.7	20	-	18	14	295	641	138	50	4.2	867	102	86
B25	Dewey Dill	410	Jan. 23, 1950	1,500	8.4	20	-	2.6	1.2	337	420	171	156	1.8	924	12	98
B27	J. L. Sharpe	238	do.	683	8.4	11	.44	-	-	169	420	22	7.2	1.2	418	11	97
C7	T. F. Welch	165	Mar. 10, 1950	842	8.7	10	1.4	2.0	.9	208	480	28	26	1.8	516	8	98
*C11	Mildred Beach	144	do.	819	8.5	14	-	1.5	1.3	209	512	24	11	2.8	519	9	98
C12	W. A. Frasier	200	do.	577	8.1	22	-	32	19	69	312	29	14	4.0	346	158	49
C15	F. A. Farrell	268	Jan. 16, 1950	908	8.0	14	-	7.2	4.8	202	385	76	56	2.8	562	38	92
C16	F. H. Harrison	320	do.	1,650	8.2	14	-	2.5	1.6	394	798	104	75	1.8	987	12	99
C18	George Dunaway	393	do.	1,720	8.4	12	-	-	-	413	816	114	86	2.2	1,040	13	99
D9	Garner Consolidated School	30	Nov. 22, 1949	795	7.2	27	-	84	20	58	277	103	57	4.3	494	292	30
D13	L. Kieaer	251	Jan. 27, 1950	1,410	7.7	18	-	140	70	83	528	239	96	0	925	638	22
D18	C. W. Garner	209	Nov. 22, 1949	2,080	7.5	24	-	196	70	195	558	369	255	0	1,380	777	35
<u>1</u> /D43	E. L. Murphy	127	Feb. 23, 1950	760	7.5	10	-	17	9.8	140	285	121	20	5	458	83	79
D44	C. A. Wood	226	Nov. 15, 1949	779	7.9	19	-	80	34	46	439	34	30	1.0	474	340	23
D58	L. Jones	45	Feb. 21, 1950	407	6.9	20	.24	26	8.7	40	80	26	41	4.5	249	101	46
D60	S. R. Brashears	21	do.	643	7.3	37	-	86	21	17	348	24	15	7.5	378	301	11
D61	W. J. Mathews	22	do.	310	6.6	20	-	25	8.3	22	68	28	28	24	192	97	33
<u>2</u> /D62 63	Gulf Oil Co.	100 50	Feb. 23, 1950	837	7.3	13	-	67	15	79	192	33	141	12	456	228	43
D64	J. O. Duncan	30	Feb. 21, 1950	617	7.3	21	-	86	20	19	372	20	6.8	2.2	358	296	12
E3	W. W. Roberts	246	Jan. 18, 1950	820	8.4	11	-	-	-	199	453	52	13	2.8	510	14	97
*E20	Sinclair Refining Co.	351	May 12, 1949	1,080	7.3	16	2.0	39	27	169	407	129	68	6.9	656	208	62
*E33	City of Weatherford	506	Apr. 21, 1950	973	7.4	19	.86	57	35	109	399	109	55	4.2	598	286	45
*E35	do.	417	June 23, 1950	993	7.2	19	2.3	76	39	91	398	150	44	3.5	620	350	33

* Well B12, boron 0.24; Well C11, fluoride 0.4; Well E20, fluoride 0.6; Boron 0.33; Well E33, fluoride 0.2; Well E35, fluoride 0.6; boron 0.26.

1/ Glen Rose limestone.

2/ Composite sample.

Table 5.- Analyses, in parts per million, of water from wells in Parker County--Continued

TRAVIS PEAK FORMATION--CONTINUED

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Microhmhos at 25° C)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
F4	J. J. Dearing	704	Mar. 7, 1950	1,300	8.0	12	11	4.0	8.7	302	653	122	28	.8	811	46	93
F15	A. C. Lasater	548	Mar. 10, 1950	1,380	8.7	9.5	-	2.8	1.2	317	571	100	111	1.8	860	12	98
F24	Cortez Wile	400	Mar. 7, 1950	660	8.0	13	-	6.0	6.8	138	308	75	6.0	4.5	411	43	87
G4	Jack Pichard	323	Apr. 11, 1950	584	7.3	22	1.2	54	26	39	338	33	10	1.8	357	242	26
G11	A. Mosier	Spring	Feb. 21, 1950	442	8.2	22	.24	40	10	31	164	40	23	.8	250	141	33
G16	F. Hubbard	40	Feb. 23, 1950	606	7.7	19	-	51	36	29	352	28	12	3.8	353	275	19
G26	O. Cooper	100	do.	531	8.2	28	.84	47	11	61	279	29	18	13	351	162	45
H1	Lee Thompson	200	Feb. 24, 1950	634	7.3	18	2.5	78	27	17	363	29	11	.5	364	306	11
H2	H. Briscoe	235	Feb. 28, 1950	710	7.9	11	-	11	5.2	146	325	72	16	4.6	428	49	87
H10	Tin Top Community	123	do.	650	8.3	14	.38	21	9.7	120	375	30	8.0	3.2	392	92	74
H16	Ben Anderson	310	do.	1,300	7.4	19	1.2	84	68	124	576	172	76	2.0	846	489	36
H17	W. B. Kaiser	300	Mar. 1, 1950	1,040	8.5	10	.29	3.8	1.1	261	553	76	34	1.0	659	14	98
H19	H. N. Hutcheson	180	Feb. 28, 1950	1,010	7.1	22	3.0	149	35	26	500	130	20	.0	628	516	10

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PALUXY SAND

A2	J. D. McCarry	80	Nov. 25, 1949	3,110	7.8	20	-	225	205	167	533	167	815	9.0	1,870	1,400	21
A3	Poolville Public School	60	do.	1,140	7.5	24	-	86	67	49	384	74	145	2.0	657	490	18
A4	John Cooke	60	do.	1,460	7.1	26	-	142	50	113	508	77	218	1.8	943	560	30
*A5	O. L. Phillips	30	do.	1,970	7.7	22	-	148	71	193	611	107	320	21	1,180	662	39
A6	J. A. Logan	36	Dec. 20, 1949	540	7.8	12	-	120	3.8	26	338	77	7.0	5.5	426	315	15
*A7	Tone Mader	22	do.	1,700	7.6	22	-	188	39	168	514	354	132	22	1,180	630	37
A24	C. C. Brashier	60	Jan. 24, 1950	1,560	7.9	44	1.8	108	74	113	524	49	235	8.5	892	574	30
A26	J. L. Wilson	124	Jan. 23, 1950	1,180	8.0	45	-	118	56	35	474	35	117	13	652	525	13
A29	H. R. Ballinger	60	Nov. 23, 1949	543	7.2	11	-	100	7.0	5.3	276	38	9.2	16.0	322	278	4

* Well A5, fluoride 0.5; Well A7, fluoride 0.3; boron 0.29.

Table 5.- Analyses, in parts per million, of water from wells in Parker County--Continued

PALUXY SAND--CONTINUED

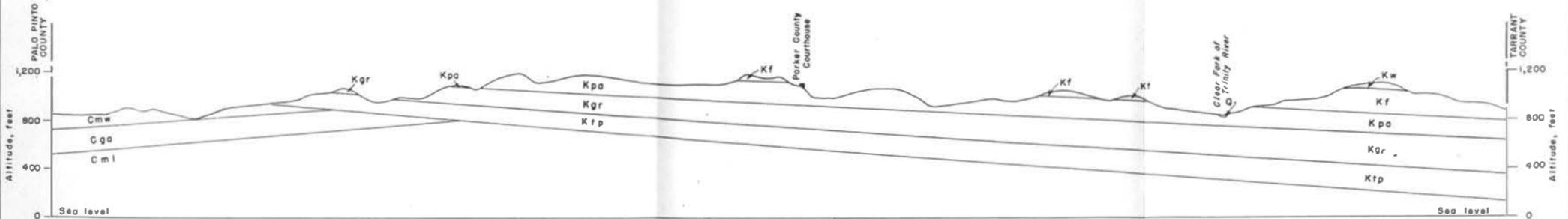
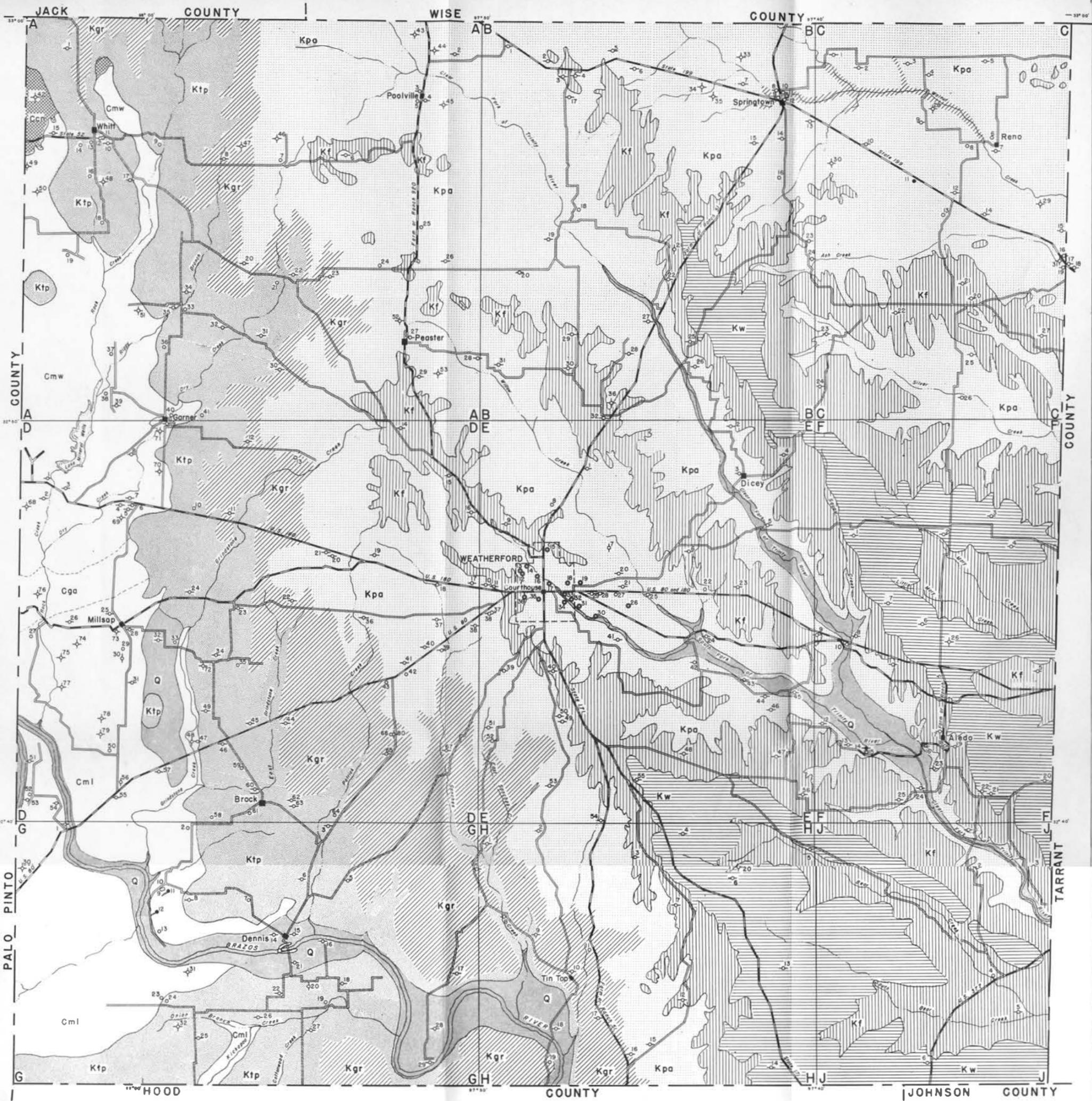
Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Microhmhos at 25° C)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
B3	B. K. Seaberry	69	Mar. 10, 1950	1,590	7.9	10	.48	272	11	40	380	58	165	255	998	724	11
B4	J. R. Nicklas	68	do.	792	-	-	-	-	-	-	-	27	39	86	-	-	-
B5	J. B. Elam	156	do.	571	-	-	-	-	-	-	-	30	5.5	-	-	-	-
B6	C. W. Prescott	109	do.	819	7.5	22	.17	84	31	52	400	42	52	6.8	494	337	25
B14	H. L. Young	174	Jan. 17, 1950	649	8.9	11	-	-	-	157	407	9	7.2	.2	386	13	96
B15	J. E. Barrick	183	Mar. 10, 1950	640	8.7	12	1.0	2.5	2.0	155	388	20	7.8	1.5	416	14	96
B17	E. W. Stevens	160	Jan. 23, 1950	142	6.5	30	1.7	-	-	16	35	18	12	2.8	77	32	52
B24	J. L. Woody	100	Jan. 17, 1950	523	7.5	14	-	98	5.9	5.0	285	26	7.5	9.5	317	269	4
B26	J. Bradford	90	Jan. 23, 1950	980	7.5	29	-	98	7.9	69	302	48	83	17	500	277	35
B30	L. B. Scherer	150	do.	461	8.3	12	-	92	2.4	4.3	281	11	4.0	1.8	272	239	38
C2	F. Byers	127	Jan. 16, 1950	771	8.4	10	-	6.5	6.1	164	365	26	49	1.8	443	41	90
C3	C. Clay	60	do.	939	6.8	32	-	84	19	67	213	23	166	1.8	502	288	34
C4	M. T. Bickley	94	do.	847	7.7	21	2.8	34	28	112	366	42	70	.8	488	200	55
C6	E. R. Williams	60	Mar. 10, 1950	1,130	7.6	18	-	108	44	75	469	75	65	74	690	450	27
C19	W. E. Shields	120	Jan. 16, 1950	671	7.9	13	-	10	5.6	142	340	43	22	3.2	414	48	87
C20	R. Wright	125	Jan. 17, 1950	551	7.5	16	1.5	104	4.4	7.2	270	62	6.5	.0	345	278	5
C22	H. W. Brittan	200	Jan. 18, 1950	567	8.2	13	-	108	3.6	13	264	24	14	58	379	284	9
C24	Guy Tucker	208	do.	597	8.0	21	1.9	93	14	11	311	42	9	.0	343	290	8
C27	A. T. Baughman	200	Jan. 17, 1950	532	7.9	19	.86	90	9.8	12	311	25	6.0	.8	316	265	9
D14	O. W. James	90	Nov. 22, 1949	563	7.5	16	-	99	5.2	17	258	76	11	.0	360	268	12
D15	L. J. Stuart	80	Jan. 27, 1950	466	7.5	10	-	88	1.7	4.6	228	29	6.2	18	277	227	4
D16	J. P. Daniel	90	Nov. 22, 1949	689	7.4	14	-	120	16	5.1	376	36	18	8.8	416	366	3
D21	S. M. McCarthy	110	do.	2,920	7.8	20	-	224	131	194	500	88	720	3.0	1,630	110	28
D37	J. A. Jackson	110	Feb. 6, 1950	1,060	8.1	20	-	-	-	-	412	61	104	7.5	591	-	-
D38	N. F. Lummia	96	Nov. 22, 1949	765	7.2	19	-	112	17	32	390	41	40	.0	453	350	16
D39	Roy Miller	98	do.	1,420	7.6	26	-	102	79	69	455	95	182	.8	786	580	20
D40	H. Shahan	87	Nov. 14, 1949	933	7.4	22	4.5	84	43	60	476	32	66	.0	554	386	25
E1	H. R. Williams	75	Mar. 10, 1950	687	7.6	19	-	119	6.8	21	359	33	22	16	421	327	12
E5	N. Wood	200	Jan. 18, 1950	966	7.5	29	-	130	8.7	39	290	41	101	29	550	360	19
*E9	Mrs. C. Barthold	148	Nov. 23, 1949	542	7.7	20	-	58	21	32	309	209	10	1.8	324	231	23
E11	O. V. Barker	125	Nov. 22, 1949	632	7.7	12	-	114	8.0	141	329	42	12	23	402	318	9
E21	C. M. Thompson	125	Mar. 2, 1950	574	7.3	20	-	50	21	46	321	30	11	3.0	336	212	32
E23	T. L. Marlowe	152	Nov. 14, 1950	567	7.7	15	-	110	4.6	4.1	334	22	7.2	2.5	351	294	3
E27	W. C. Armstrong	90	Mar. 2, 1950	762	7.1	33	9.2	96	29	11	217	49	108	.0	442	358	6
E37	O. A. Young	69	Nov. 14, 1949	611	7.5	13	-	115	4.8	6.9	320	24	11	26	394	306	4.7

*Well E9, fluoride 0.3; boron 0.25.

Table 5.- Analyses, in parts per million, of water from wells in Parker County--Continued

PALUXY SAND-CONTINUED

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Micro-mhos at 25° C)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
E38	J. R. Peterson	120	Nov. 14, 1949	579	7.5	19	-	100	13	5.7	356	13	7	2.8	353	303	4
E41	O. Rucker	90	Mar. 7, 1950	886	-	-	-	-	-	-	-	44	101	.5	-	-	-
E46	S. N. Duncan	120	do.	1,060	7.7	14	.71	188	5.2	15	275	61	85	135	638	490	6
E49	Mrs. B. F. Shrum	100	Feb. 28, 1950	630	7.9	19	.48	94	22	13	387	26	6.0	.2	372	325	8
E50	W. G. Betty	85	do.	570	7.7	19	5.3	87	17	13	332	23	13	.5	340	287	9
F3	R. E. Farmer	256	Jan. 18, 1950	659	7.8	22	1.8	104	19	3.6	290	82	10	1.8	392	338	2
F6	George Beggs	357	Mar. 7, 1950	536	-	-	--	-	-	-	-	30	6.2	-	-	-	-
F13	R. P. Slaton	81	do.	651	7.4	20	-	112	12	15	339	65	11	.8	412	329	9
F14	A. C. Lasater	3,106	Mar. 10, 1950	597	7.8	13	-	10	7	126	321	51	6	4.2	378	55	83
F19	Ray Smyth	212	Mar. 8, 1950	495	7.9	19	-	72	14	13	282	23	7.8	.2	298	237	11
F25	Mrs. N. Robbins	158	Mar. 7, 1950	545	7.1	10	10	101	7.2	9.2	333	14	9.8	.0	318	282	7
H15	Martin Bros.	50	Mar. 1, 1950	1,230	8.0	18	-	171	11	63	365	42	147	74	777	472	23
J3	Cheater Wiley	168	Mar. 6, 1950	596	7.3	16	-	56	21	41	297	46	14	5.8	349	226	28
J5	I. L. Spears	200	do.	580	8.3	19	2.0	58	20	41	300	46	15	1.2	350	226	28



EXPLANATION

Recent	Q	Alluvium	Well with hand pump, bucket, or bailer
Fredericksburg group	Kw	Duck Creek formation	Well with windmill or small pumping plant
Trinity group	Kf	Kiamichi formation, Goodland limestone, and Walnut clay, undifferentiated	Well with pumping plant, 5-10 horsepower or larger
Comanche	Kpa	Pokary sand	Unlined well
Trinity group	Kgr	Glen Rose limestone	Flooding well
Canyon group	Ktp	Travis Peak formation	Spring
Strawn group	Cmw	Palo Pinto limestone	Test for oil or gas
	Cga		
	Cmi		

QUATERNARY
CRETACEOUS
CARBONIFEROUS

Generalized geologic section along U.S. Highway 180

Base compiled from Highway Planning Survey map and field notes, 1950.

Geology after J.M. Armstrong and Gayle Sect. 1, Bureau of Economic Geology, The University of Texas, 1930, with revisions by G.J. Stramel, 1950.

GEOLOGIC MAP OF PARKER COUNTY, TEXAS SHOWING LOCATION OF RECORDED WELLS

