

Date 14 September 70 Analysis by H. M. Shaffer
 Company ICT Inc., P. O. Drawer 1341, Wewoka, Oklahoma
 Sample Roger C. Hanks #4 9-10-70

	mg/l	meq/l	eq wt
Cations :			
Sodium, Na			22.9
Calcium, Ca			20.0
Magnesium, Mg			12.2
Anions :			
Chloride, Cl	150.2	4.2	35.5
Sulfate, SO ₄	2298.2	47.9	48.0
Carbonate, CO ₃			60.0
Bicarbonate, HCO ₃			61.0

Total dissolved solids 6500
 Iron (total)
 Sulfide (H₂S) +
 pH 5.45
 Total hardness
 Specific gravity

Probable composition :
 Calcium Bicarbonate
 Calcium Sulfate
 Sodium Sulfate
 Magnesium Sulfate
 Calcium Chloride
 Magnesium Chloride
 Sodium Chloride

		81.04
		68.07
		60.19
		71.03
		55.50
		47.62
		58.46

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Ca Mg Na

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HCO₃ SO₄ Cl

Remarks :

There are no sulfate reducing bacteria upon agitation and aeration this water has PH 7.42, the H₂S is not present. The low PH of 5.45 is probable due to the presence of H₂S.