



# TEST HOLE REPORT

## Layne-Western Company

Sedgwick

Contract Name Dr. James M. Donnell

Job No. W-809

Date 12-6-63

City Cheney

State Kansas

Driller HONOMICHL

TEST HOLE

NO. 2

Test Hole Location 1260 So. & 972 W. of NE Cor. Sec. 28, R4W, T28 S

Sedgwick County, KS

Distance and Direction from Permanent Landmark or Previous Test Hole

### TEST LOG

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	Static Water Level <u>8.7'</u> measured <u>8.7</u> Hours After completion FORMATION
0	4			Fine to Med Sand
4	10			Fine to Coarse Sand + Fine Gravel
10	11			Red Clay
11	13			Fine to Coarse Sand + Fine Gravel (Loose)
13	16			Fine to Coarse Sand + Clay (Light)
16	18			Fine to Coarse Sand + Fine to Med. Gravel (Loose)
18	20			Silt to Fine Red sand
20	25			Fine to Coarse Sand + Fine Gravel (Slightly Dirty) (Loose)
25	29			Fine to Coarse Sand + Fine to Med Gravel (Slightly Dirty) (Loose)
29	30			Brown Clay
30	36			Red Shale
				Pumped 25 GPM + Took a water sample
				Estimated Yield from a Gravel packed Well - 100 gpm

NOTES: Size of Pit \_\_\_\_\_ X \_\_\_\_\_

# Layne-Western Company

1011 WEST HARRY  
WICHITA 13, KANSAS

## WATER ANALYSIS (Results in PPM)

Source T.H.-2, Dr. J. M. Donnell Farm near Cheney, Kansas

Date Collected \_\_\_\_\_ Date Completed 13 Dec 63

Color None Odor None Turbidity Less than 1

Total Solids 220 Iron .02 Manganese .00

As CaCO<sub>3</sub> Total Alkalinity 144 N. C. Hardness 3

Total Hardness (Verse.) 147 Excess Alk. 0

pH 7.70

### POSITIVE

#### Ions

Ca (Calcium) 37.5

Mg (Magnesium) 12.9

Fe (Iron) .02

Na (Sodium) 15.8

F (Fluoride) .35

### NEGATIVE

#### Ions

CO<sub>3</sub> (Carbonate) 0

HCO<sub>3</sub> (Bicarbonate) 176

SO<sub>4</sub> (Sulphate) 17.5

Cl (Chloride) 8

NO<sub>3</sub> (Nitrate) 9.8

SiO<sub>2</sub> (Silica) 16.6

Remarks This water is suitable for general irrigation

Chemist Fred Williams