

21-35-27cca Sample 9 drillers log of test hole augered drilled
(Well No.)

by HGS For USGS

in Kearney County SW of Sec 27 T21S R35W
(Location)

100' NE of Gas Well

; depth to water, Approximately 105' feet;
(Date)

altitude of land surface 3095 feet.

Thickness,
feet

Depth,
feet

Tan soil dark brown (shows results
of salt contamination with reduced
permeability)

3 3

Clay, gray to buff tan

9 12

Caliche, clay sand and gravel,
inter bedded. Sand and gravel layers
contain enough clay to make them impervious

48 60

Sand and gravel in a moderately
soft clay matrix

47 107

Sand fine to coarse and fine to
coarse gravel with a few thin
clay layers

30 137

7 37 58

Caliche soft white to yellow

5 142

Niobrara

Caliche hard white with a few soft

21-35-27c

(Well No.)

Sample

log of test hole

augered drilled

in

(Location)

(Date)

; depth to water,

feet;

altitude of land surface

feet.

Thickness,
feet

Depth,
feet

yellow layers

15 157

Bentonite (?) white

2 159

Caliche (?) hard (no cuttings returned)

0.5 159.5

Porous chalk (?) (lost circulation at

159.5 drilled to 160 piezo tube set

To 166, and pulled back to 163

6.5 166

Finished with 3' screen at bottom

of 20' slotted pipe 118-139