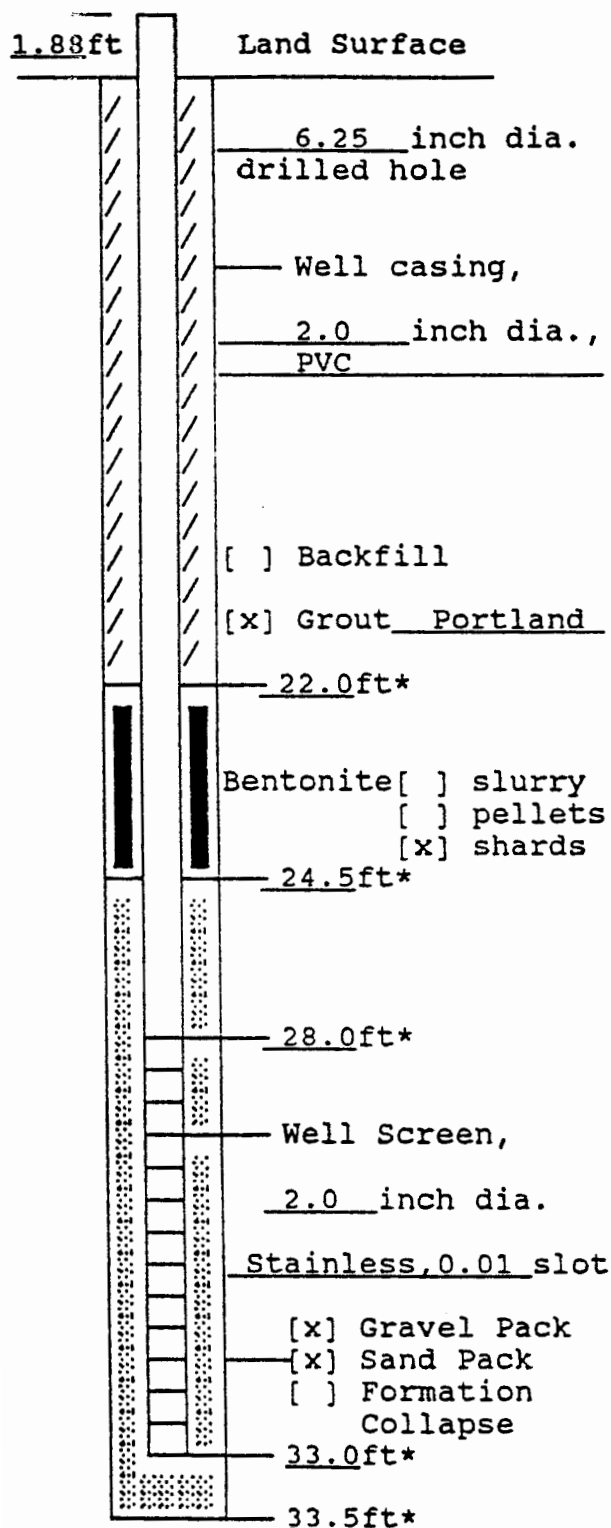


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WELL CONSTRUCTION LOG



Measuring Point is Top of Well
Casing Unless Otherwise Noted.

NA = Not Applicable

* = Depth below land surface

Project OK1333RC01 Well GM1D
Town/City Augusta
County Butler State KS
Permit No. NA
Measuring Point(*)Elevation
[x]surveyed
[]estimated
NA ft AMSL
(*)Measuring Point is top of casing
Installation Dates(s) 5/3/89
Drilling Method Hollow Stem Auger
Drilling Contractor J&R Drilling
Drilling Fluid NA
Development Techniques(s) and Dates(s)
Bailing; 5/5/89

Fluid Loss During Drilling NA gal
Water Removed During Dev. 20.0 gal
Static Depth to Water 20.25 ft below MP
Pumping Depth to Water NA ft below MP
Pumping Duration NA hours
Yield NA gpm Date
Specific Capacity NA gpm/ft
Well Purpose Ground-water monitoring

Remarks
Bentonite plug hydrated w/ distilled water.
Used tremie pipe to install gravel pack.
Prepared by JPS

SAMPLE/CORE LOG

Boring/Well GM1D Project/No. OK1333RC01 Page 1 of 2

Site Location Augusta, KS Drilling Started 8:55 Drilling Completed 1:10

Total Depth Drilled 33.0 feet Hole Diameter 6.25 inches Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 5'x 3.75" Sampling Interval Continuous feet

Land-Surface Elev. _____ feet ☒ Surveyed ☐ Estimated Datum AMSL

Drilling Fluid Used None Drilling Method H.S. Auger

Drilling Contractor J&R Drilling Driller John Coons Helper Greg

Prepared By JPS Hammer Weight NA Hammer Drop NA inches

Smpl/Core Depth (ft BLS) From To Core Rec. (ft) Time/Hydraulic Press. or Blows/6 in.

Sample/Core Description

0.0	4.0	2.0	03	SILTY CLAY- (topsoil fill), drk. brn.-brn., abund roots, pliable, sl. hydrocarbon odor.
4.0	9.0	5.0	01	CLAY- drk. grey, v. silty, dense, sl. pliable, sl. damp w/ hydrocarbons, hydrocarbon odor, <HNU at 6' = 20-30 ppm>.
9.0	14.0	5.0		CLAY- drk. grey, v. silty, dense, sl. pliable, sl. damp w/ hydrocarbons, hydrocarbon odor.
14.0	19.0	5.0		CLAY- " " "
				w/ sparse subang. gravel clasts.
19.0	24.0	5.0		CLAY- drk. grey, v. silty, dense, sl. pliable, sl. damp w/ hydrocarbons, hydrocarbon odor, coarsening downward into silt, <HNU at 21' = 30-60 ppm>.
24.0	29.0	4.0	02	SILT- grey-grnish grey, v. clayey, sandy (fine-coarse grained), few ang. gravel clasts, wet w/ hydrocarbons and water at @ 27'.

Boring/Well GM1D

Page 2 of 2

Prepared

By JPS

Smpl/Core Depth (ft BLS) From To	Core Rec. (ft)	Time/Hydraulic Press. or Blows/6 in.
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Sample/Core Description

[illegible]