

# ILLINOIS STATE GEOLOGICAL SURVEY

Page 1

| Water Well                      | Top | Bottom |
|---------------------------------|-----|--------|
| damp clay                       | 0   | 19     |
| brown sandstone w/clay streaks  | 19  | 38     |
| brown sandstone w/shale streaks | 38  | 69     |
| light gray water sand 10 gpm    | 69  | 75     |
| shale w/lime streaks            | 75  | 100    |
| hard lime                       | 100 | 101    |
| shale w/sand streaks            | 101 | 105    |
| coal mine                       | 105 | 111    |

**Total Depth** **111**

Casing: 6" PVC SDR 21 from 1' to 82'

Grout: CLAY SLURRY from 0 to 72

BENTONITE from 72 to 82

Size hole below casing: 5.87"

Water from mine at 105' to 111'

Static level 17' below casing top which is 1' above GL

Pumping level 40' when pumping at 500 gpm for 4 hr(s)

Permanent pump installed at 0' on , with a capacity of 0 gpm

Owner Address: 204 N. Division Carterville, IL

1.2 mi N of Carterville

Location source: Location from permit

**Permit Date:** May 12, 1995

**Permit #:**

**COMPANY** Keen, George

**FARM** Homoya Construction

**DATE DRILLED** May 17, 1995

**NO.** 1

**ELEVATION** 0'

**COUNTY NO.** 23533

**LOCATION**

**LATITUDE** 37.789695

**LONGITUDE** -89.078811

**COUNTY** Williamson

**API#** 1219923533 00

**27-8S-1E**