

# **WELL LOG – CLAY COUNTY, MISSOURI**

## **WELL / PROJECT INFORMATION**

**Well Log Number:** 0016117

**Alternate ID:** Original strip log (scanned)

**Well Type:** Observation / Monitoring Well

**Owner:** Missouri Geological Survey

## **LOCATION INFORMATION**

**County:** Clay County, Missouri

**USGS Quadrangle:** North Kansas City

**PLSS Location:** SE $\frac{1}{4}$  SE $\frac{1}{4}$ , Section 23, Township 50  
North, Range 33 West

**Latitude:** 39.127923

**Longitude:** -94.574017

**Location Source:** PLSS-based relocation (Missouri  
GeoSTRAT)

## **ELEVATION**

**Ground Surface Elevation:** 737 ft

**Elevation Source:** DEM & location (GeoSTRAT)

## **DRILLING INFORMATION**

**Driller:** Layne-Western

**Date Drilled:** 13 May 1957

Logged By: Fuller (as interpreted from original well log)

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**Date Logged:** Not specified

**Total Depth:** 124 ft bgs

**Depth to Bedrock:** No bedrock identified

## SURFACE CONDITIONS

**Surface material:** Fill (extends to ~7 ft bgs)

**Site conditions:** Not specified

## SUBSURFACE CONDITIONS

Depth (ft bgs):	Material Description:	USCS	Moisture	Density / Consistency	Notes
0-7	Fill; inferred material.	NA	NA	NA	No samples collected
7-23	Material not specified on original well log	NA	NA	NA	No lithologic description reported
23-50	Alluvium; sand-dominated, orange-coded on original well log	NA	NA	NA	Drillable; no refusal observed
50-104	Alluvium; coarse sand and gravel with limestone boulders	NA	NA	NA	Limestone boulders noted between approximately 75–85 ft bgs
104-124	Alluvium; fine sand	NA	NA	NA	Boring advanced to total depth at 124 ft bgs

## WELL CONSTRUCTION DETAILS

Component	Diameter	Depth Interval (ft bgs)	Description / Notes
Surface Casing	8 in	~0-58 to 60	Steel casing; extends ~2 ft above the surface
Production casing	4 in	~58-90	Steel casing per original well log
Screen	4 in	~90-95	Stainless steel wire-wound screen; 0.040-in openings
Gravel Pack	—	~90-95	2.5 tons of 1/4 – 1/2 gravel
Total Depth	—	124	Well terminated at 124 ft bgs

## GROUNDWATER OBSERVATIONS

Observation Type	Depth (ft bgs)	Time Observed	Notes
Static Water Level	28	Not specified	SWL per original well log

## DRILLING BEHAVIOR / REMARKS

Depth (ft bgs)	Observation
0-23	Drilling through fill and unspecified material
23-50	Drilling through sand-dominated alluvium
50-104	Variable alluvial material; gravel and limestone boulders noted
104-124	Fine sand; boring advanced to total depth

## DATA SOURCES

Lithologic and construction data interpreted from original scanned strip well log. Location, elevation, and coordinate data supplemented from Missouri GeoSTRAT.

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