

Basin #84 NE WELL LOG
ADDRESS → WASNOE COUNTY PARKS 1/2 187' 21663
NE SE sec 19 23N 21E P.O. Box 1130
RENO NEV 89502 PERMIT # 59849
70
187A 01 755-6133

Well Number:

T-9

Location:

N 39.860420
W 119.658069 NA027

NE 1/4 SE 1/4 S18 T23N R21E
Nevada State Coordinates

Proposed RANGE Loc.

N 1,862,371.43
E 198,320.60
APN 076-320-16

4,207.0 feet above mean sea level.

Elevation:

Measuring Point:

Top of 6" casing.

Completed:

October 31, 1963

Total Depth:

200 feet

Casing:

Set 105' of 6", 12-gauge, hot rolled steel, bell end casing. The casing was perforated from 65' to 85' and from 100' to 105'. The perforations were torch-cut 1/8" x 6", 4 cuts per level and each level rotated 45°. There was approximately 1 foot between levels.

Sanitary Seal:

The top 40' was drilled 16" in diameter and filled with cement grout around the 6" casing. The casing was then set and the well grouted.

Standing Level:

Depth, 8'-10" Elevation, 4,198.2'

Test Pump Data:

Standing level before pumping was 9 feet. The well was pumped with an air lift for 4 hours at 150 gpm and a pumping level of 18'.

Water Quality:

Hardness, 107 ppm; TDS, 350 ppm; pH, 8.25; Excessive sodium, bicarbonate, iron, silica.

Well History:

The well was drilled in two 10-hour shifts with a truck-mounted Porta drill 1,000' rotary drill rig. 0' to 40' was drilled 16" in diameter, 40' to 105' was drilled 8-3/4" in diameter and 105' to 200' was drilled 4-1/2" in diameter.

Drilling Conditions:

The material encountered was unconsolidated sand, gravel and silt with no boulders. The drilling rate should average approximately 125 feet per hour for the straight drilling of a 10-inch hole with a 2,000' rotary water well rig.

Well No. T-9 (continued)

<u>Well Log:</u>	0-3	Topsoil
	3-30	Medium grained, silty sand, derived from both granite and volcanics, well rounded, uniformly graded from fine silt to 1/16". Varies from 40%-70% silt and from 60%-30% sand. Light brown in color.
	30-47	Well sorted, well rounded, medium grained sand, averaging 1/16" in size, very little silt. Looks good for water.
	47-80	Fairly well sorted, well rounded, coarse grained sand composed of decomposed granite (70%) and rhyolite (30%), almost no silt or clay, 30% fine sand, 70% coarse sand. Looks excellent for water.
	80-100	Poorly sorted mixture of clay, silt, sand and fine gravel, derived from <u>rhyolite</u> . Looks poor for water.
	100-115	Well sorted, fine gravel and sand. Gravel (70%) well rounded, 1/4" to 3/4", sand (30%) fine to medium grained. <u>Looks excellent for water.</u>
	115-130	Sandy gravel, 50% sand, 50% gravel. Looks excellent for water.
	130-200	Gravely sand, 10% gravel, 65% coarse and medium sand, 25% fine sand, very little silt or clay. Derived from gray rhyolite. Looks good for water.