

Verne Parmen Ranch
Old Wheeler Place

#2 Well
Artesian.

290
12/16/47
P. 12127

SE 1/4-NW 1/4-T37N-R25E, Washoe co. Gerlach, Nevada. 1 mile due East of ranch house. Temperature 102 Deg. F. 8" drilled hole, 8" casing for 70', 127' of 6" standard pipe 20# per foot, all casing electric welded.

Driller, Warren W. Overholser. Lic. No. 15.
Began drilling Oct 13, 1947, Finished drilling Oct 26, 1947, clean out later.

0-20' Black silt and yellow clay.
20'-40' Hard pan and yellow clay.
40'-73' Soft whitish hot water clay.
73'-82' small gravel sand and clay.
77'-82' hard brown and yellow clay.
82'-86' coarse gravel
86'-90' hard blue clay.
90'-95' soft blue clay.
95'-104' Soft gummy blue clay.
104'-108' blue clay, 1/2" gravel.
108'-110' blue clay, heavy large gravel.
110'-120' Sandy cream, & blue clays, & large gravel.
120'-160' Gravel and blue clay.
160'-165' Blue clay only.
165'-167' blue clay and gravel
167'-169' Blue clay.
169'-190' White to yellow clay & gravel, Hot water clay deposits.
190'-198' sand and gravel, No clay.
198'-200' blue clay.
200'-220' blue clay and fine sand.
220'-228' small stratas of white and green clays.
228'-250' Yellowish white clay, hot water deposits.
250'-253' hard white limestone, Hot water lime.
253'-265' White clay, Quartz, and some red gravel.
265'-267' Teriffic loss of drilling mud, level dropped 20', well began flowing before rods could be pulled, stuck tools 5' off of bottom could hear gravel going to bottom of hole. Water flowing at the rate of 212 gpm, went to winnemucca for 8" casing, ran in 70' to keep surface from caving on upper artesian flow, 127'. Finished fishing tools out of hole Oct 26, 1947.

Ran in 127' of 6" std Pipe, Was as far as we could force the casing down, and the farther we went down from 110' the more the water seemed to shut off. Was called to Arizona on an urgent trip and did not get back till approx. a month later. Left Oct 26, 1947.

Tried to measure the static head level by putting on more drill rods and it is in excess of 35' coming through the rods on the bottom of the hole, small volume. Height seems not to affect it at all.

Intend to get a pressure gague and measure the upper flows.

Under the present circumstances it is hard to determine exactly where the flows are originating from.

November 21, 1947 ran in drill rods to clean out 6" std pipe down to the bottom of the perforations., and found them clean to the bottom.

Perfrprations are 25' long X 1" X 1/4" tapered self cleaning slots. 56 slots, and open bottom. 8" casing is 10# per foot.

Installed a 125# 6" gate valve on the 6" std pipe, welded a cap on the 8" pipe to the 6" pipe, and cut a hole in the side of the 8" pipe and welded a 2-1/2" nipple for a valve on the 8" flow, which is approximately 80gpm, combined flows are " 212 Gpm, believe we can develop more by blowing out with air compressor, will try after the first of the year.

Warren W. Overholser
Dec 13, 1947