Also See Log 2174 - Well deepened

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 1972
Rec. July 30 1952
Well No. 80
Permit No. 12546
Do not fill in

Owner: Fred B. Allen — Driller: Allen Water Well Service Co.

Address: 231 Maryland Parkway — Address: 231 Maryland Parkway — Lic. No. 40

Location of well: SW¼ NW¼ Sec. 21, T21 N/S, R 54 E, in Nye County

or Permit No. 12546

Water will be used for: Irrigation — Total depth of well: 880'

Size of drilled hole: 14" — Weight of casing per linear foot: 42 lbs.

Thickness of casing: ½" — Temp. of water: 74

Diameter and length of casing: 14" I. D. 156 feet cemented in place
(Casing 12" in diameter and under give inside diameter; casing 12" in diameter give outside diameter.)

If flowing well give flow in c.f.s. or g.p.m. and pressure: 170 G. P. M.

If nonflowing well give depth of standing water from surface:

If flowing well describe control works: 10" discharge pipe with a ten inch gate valve
(Type and size of valve, etc.)

Date of commencement of well: May 1, 1952 — Date of completion of well: July 6, 1952

Type of well rig: 71 Star cable tools

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	20	20	Clay
20	50	30	Sandy brown clay
50	84	34	Brown Clay
84	86	2	Gravel
86	101	15	Sandy brown clay
101	103	2	Sand
103	111	8	Sandy brown clay
111	112	1	Gravel
112	127	15	Brown Clay
127	129	2	Gravel
129	165	26	Brown Clay
165	167	2	Brown shale
167	189	22	Brown clay
189	191	2	Lime
191	215	24	Brown clay
215	225	10	Shale
225	230	5	Limestone
230	240	10	Water Sand
240	243	3	Lime cement gravel
243	247	4	Water sand
247	249	2	Cemented gravel
249	300	51	Sandy clay
300	305	5	Blue clay
305	311	6	Brown clay
311	329	19	Gravel
329	355	26	Clay & sand
355	360	5	Sand

(OVER)

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)

from 84 to 86 ft.

Other aquifers 101-103
111- 112 127-129
230-240 243-247
311-329 355-360
434-436 587-590 701-702
743-747 749-760 823-825

First water at 45 feet.

Casing perforated

from ..... to ..... ft.

Size of perforations

LOG OF FORMATIONS—*Continued*

From feet	To feet	Thickness	Type of material
360	434	74	Sticky brown clay
434	436	2	Gravel
[illegible]	525	89	Brown clay
525	535	10	Lime shale
535	587	52	Clay & lime
587	590	3	Sand
590	639	49	Brown clay
639	641	2	Bentonite
641	701	60	Sandy clay
701	702	1	Sand (water increase)
702	743	41	Sandy clay
743	747	4	Brown & black sand (water increase)
747	749	2	Cemented gravel
749	760	11	Sand
760	823	63	Brown sandy clay
823	825	2	Sand
825	880	55	Brown & white clay mixed

CASING RECORD

Diam. casing	From feet	To feet	Length	"Remarks"—Seals, Grouting, Etc.
14"I.D.	0	156'	156	Cemented in place with 82 sacks of straight cement.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true to my best information and belief.

Signed Fred B. Allen
Well Driller

By.....

License No. 40

Dated July 18, 1952

OFFICE STATE ENGINEER
JUL 30 52
RECEIVED
ANS

(Not to be filled in by Driller)