Log No. 9876
Rec. JAN 5 1968
Well No.
Permit No. 23544
Do not fill in.

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Owner: ORVAL HARDEN Driller: HARDEN & CO.

Address: P.O. BOX 278, BOISE, IDAHO 83616 Address: ROUTE 1, BOISE, IDAHO Lic. No. 44

Location of well: NE ¼ SW ¼ Sec. 18, T. 8 N/S, R 62 E, in NYE County

Permit No. 23544

Water will be used for: IRRIGATION Total depth of well: 470 FT.

Size of drilled hole: 16 INCH Weight of casing per linear foot: 47.22 LB.

Thickness of casing: 0.281 INCH Temp. of water: EST. 60 °F.

Diameter and length of casing: 16 INCH x 25.5 FEET
(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

If nonflowing well give depth of standing water from surface: 69.5 FEET

If flowing well describe control works
(Type and size of valve, etc.)

Date of commencement of well: DECEMBER 19, 1966 Date of completion of well: JANUARY 9, 1967

Type of well rig: CABLE TOOL

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	2	2	SOIL
2	4	2	GRAVEL, CLAYEY
4	4.5	0.5	HARDPAN
4.5	30	25.5	GRAVEL, CLAYEY
30	68	38	CEMENTED GRAVEL
68	72	4	CEMENTED GRAVEL
72	72	0	SAND, BROWN, STREAK OF WATER
72	239	167	CLAY, BROWN, WITH SAND STREAKS AT 128, 33, 37, 43, 80, 84, 91, 205, 34
239	275	36	CLAY, GREY, WITH THIN SAND STREAKS
275	275	0	GRAVEL, CEMENTED-ENDURATED
275	290	15	CLAY, GREY
290	290	0	GRAVEL, CEMENTED
290	297	7	CLAY, GREY
297	301	4	GRAVEL, CEMENTED
301	393	92	CLAY, GREYISH-TAN, HARD, YET VERY TOUGH AND GUMMY BELOW STREAKS OF WATER GRAVEL OCCURING AT: 301, 306, 11, 15, 45, 53, 63, 78, 81, 83, 85, 88, AND 393. BY THIS DEPTH THE COLOR HAD COMPLETED ITS GREY TO TAN TRANSITION. ALL GRAVEL STREAKS ENDURATED.
393	470	77	CLAY, TAN, VERY TIGHT, DENSE, AND HARD. ENDURATED GRAVEL STREAKS AT 427, 35, 43, 48, 51, 67, AND 470.

Water-bearing Formation, Casing Perforations, etc.

Chief aquifer (water-bearing formation)

from 239 to 275 ft.

Other aquifers: 72-239
290
297-301
301-393

First water at 68 feet.

Casing perforated

from to ft.

Size of perforations

OPEN-HOLE COMPLETION

LOG OF FORMATIONS—Continued

From feet	To feet	Thickness	Type of material

CASING RECORD

Diam. casing	From feet	To feet	Length	REMARKS—Seals, Grouting, etc.
16 IN.	(-0.5)	25.0	25.5	NO DRIVE SHOE, NO REAMING EFFECT AS 16 INCH O.D. CASING WAS DRIVEN INTO TIGHTLY DRILLED 15 INCH HOLE.

GENERAL INFORMATION—Pumping Test, or Bailing Test, Quality of Water, etc.

HOLE IS CHARACTERIZED BY TIGHT, IMPERVIOUS SEDIMENTS, EXCEPT FOR THIN STREAKS OF WATER BEARING SANDS AND GRAVELS, FOR THE MOST PART CALCAREOUSLY ENDURATED. FOR THIS TYPE FORMATION, AN OPEN HOLE COMPLETION IS THE MOST EFFICIENT, RESULTING IN THE LEAST DRAW-DOWN. AS HAS BEEN TYPICAL IN THIS VICINITY, THE DEEPER AQUIFERS ARE LOWER PRESSURE ZONES, THOUGH THE DIFFERENCE WAS NOT SO PRONOUNCED AS IN OTHER NEIGHBORING WELLS. THE STATIC LEVEL DROPPED FROM 68½ FT. TO 70 FT.

WELL DRILLER'S STATEMENT

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

Signed Hugh Harden
HARDEN & CO.
Well Driller

License No. 44

Dated JANUARY 1, 1968

(Not to be filled in by Driller)