

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 1440
 Rec. 10/3 1950
 Well No. _____
 Permit No. _____
Do not fill in

Ar 13

Owner A. H. Bowler Driller S.R. McKinney & Son
 Address _____ Address Las Vegas, Nev. Lic. No. 45
 Location of well: 1/4 1/4 Sec. 16, T. 13 N/S, R. 7 E, in Arizona Cou. _____
 or 2 miles up the Virgin River from Mesquite, Nevada.
 Water will be used for Domestic Total depth of well 195 ft.
 Size of drilled hole 8" Weight of casing per linear foot 28#
 Thickness of casing _____ Temp. of water _____
 Diameter and length of casing 190 ft. of 8"
 (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 -45 ft.
 If flowing well describe control works _____
 (Type and size of valve, etc.) _____
 Date of commencement of well may 17, 1950 Date of completion of well May 25, 1950
 Type of well rig Bucyrus Erie Spudder, 24 L.

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	30	30	sand & gravel
30	75	45	conglomerate, little water
75	78	3	loose gravel (water)
78	86	8	brown sand
86	93	7	cement gravel
93	100	7	red sand
100	120	20	red sandy clay
120	125	5	red sandy gravel
125	140	15	gravel
140	170	30	red sand
170	185	15	red sandy clay
185	190	5	sand
190	195	5	course sand & gravel (water

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)

from 190 to 195 ft.

Other aquifers _____

First water at 60 feet.

Casing perforated
 from none to _____ ft.

Size of perforations _____

**Austin Boulder Well, Ariz.
Near Mesquite, Nevada.**

Analyses by Geological Survey, United States Department of the Interior
(Parts per million)

46238

Salt Lake City, Lab. No.	5255					
Date of collection.....	9/12/50					
Silica (SiO ₂).....	4.3					
Iron (Fe).....						
Calcium (Ca).....	55					
Magnesium (Mg).....	62					
Sodium (Na).....	216					
Potassium (K).....						
Bicarbonate (HCO ₃).....	138					
Sulfate (SO ₄).....	583					
Chloride (Cl).....	152					
Fluoride (F).....	.7					
Nitrate (NO ₃).....	1.0					
Boron (B).....	.06					
Dissolved solids:						
um - ppm.....	1,170					
- tons/a.ft.....	1.59					
Hardness as CaCO ₃ :						
Total.....	467					
Noncarbonate.....	354					
Specific conductance (Micromhos at 25° C.)...	1,750					
Percent sodium.....	50					
pH.....						

5255 - Well in Arizona about 2 miles from Mesquite, Nevada. Well pumped 30 min.