WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

(Statutes 1939, chapter 178, section 7. See page 2 of this form)

9 # 51553

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St. Eng's. Off.

PERMIT TO APPROPRIATE WATER, SERIAL NUMBER 11437

Permittee: City of North Las Vegas — Driller: Las Vegas Drilling Co. 479

Address: North Las Vegas, Nev. — Address: 131 N. 11th Street, Las Vegas, Nev.

Location of well: Sec. 22 T. 20 S, R. 61 E.
(Describe in legal subdivisions.)

Water will be used for: Municipal — Total depth of well: 853'

Size of drilled hole: 15" — Thickness of casing: 3/8"

Weight of casing per linear foot: 28 lb. — Quality of casing: Used Cond. Fair.

Diameter and length of casing: 10¼" Avg. 21' lengths Set to 851'
(Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)

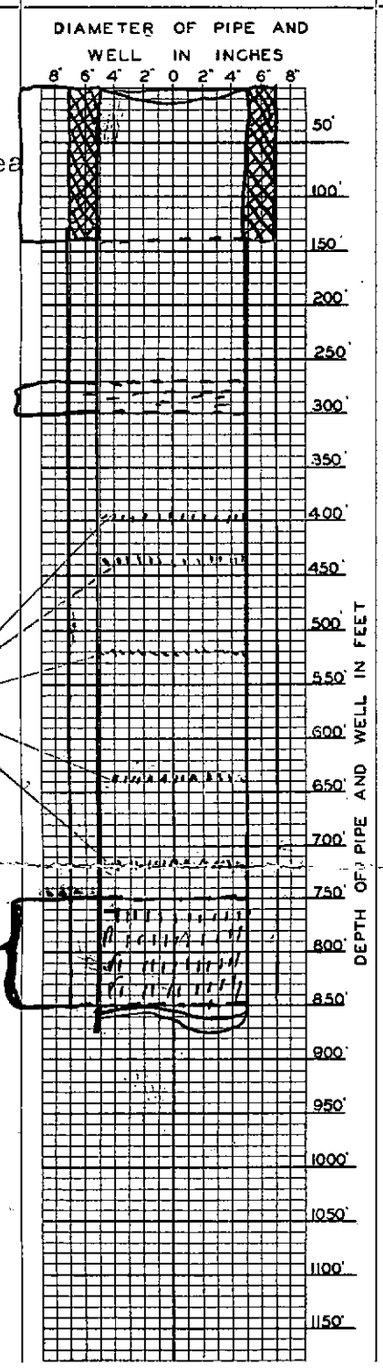
If flowing well give flow in c.f.s. and pressure:

If nonflowing well give depth of standing water from surface:

If flowing well describe control works: 10" flange TEE 8" Gate Valve & fittings
(Type and size of valve, etc.)

Date of commencement of well: Mar. 19, 1946 — Date of completion of well: Apr. 6, 1946

Type of well rig: Okell Portable Rotary

Screens, seals, plugs, grouts, etc.	Well diagram	Formations. State if dry or water bearing	Kind of casing, liner, shoe, etc.
Cemented area Perforated area Reperforated areas. Perforated Area		18' Hardpan 96' Red Clay & Lime Stks. 23' Lime & Boulders 46' Lime & Clay Stks. 13' Hard Lime 10' Lime & White Clay 14' Hard Brown Lime. 55' Red Clay & Lime Stks. 115' Red Clay & Lime Gravel 46' Sticky Blue Clay 34' Blue & White Clay Stks. 25' Gritty Red Clay 170' Red Clay & Blosand 115' Sandy Red Clay. 3' Coarse Gravel. 63' Sandy Red Clay & Gravel 7' Light Brown Clay.	18 Jts. welded 23 Jts. T. & C. Plain end no Shoe

Chief aquifer (water-bearing formation)
from 275' to 296' ft.

Other aquifers 666' to 843' Water Stks.

Casing perforated
from 273' to 296' ft.
760' 843'

Size of perforations
13/16" by 4"

Drillers:
Newell Knight. E. A. Ballou
H.W.Oakley Cecil Purdy
Derrickmen: