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WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

#14

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Log No. 7083
Rec. 19
Well No.
Permit No.
Do not fill in

Owner: Nellis AFB
Address: Nellis AFB, Nevada

Driller: Phelps Pump & Equipment Co.
Address: 400 E. College Ave. N. Las Vegas, Nev.
Lic. No.

Location of well: SW ¼ SW ¼ Sec. 9, T. 20 N/S, R. 62 E, in Clark County

or Army Coordinates: N534, 991.66 E 6S4, 108.48 G.S. Elev. 1826.6'

Water will be used for: Domestic
Total depth of well: 650'

Size of drilled hole: 12¼ (pilot) & 28½"
Weight of casing per linear foot: -

Thickness of casing: ¼"
Temp. of water: 74° F

Diameter and length of casing: 14" 1D Single wall 2' above G.S. to 650' below G.S.
(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: 70' below G.S.

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

Date of commencement of well: 19 Dec. 1962
Date of completion of well: 29 Jan. 1963

Type of well rig: Drilled w/rotary (mud) rig; swabbed w/36 L cable tool rig.

LOG OF FORMATIONS of Well " A "

From feet	To feet	Thickness feet	Type of material
0'	25'	25	Clay & Caliche: Tan, firm
25'	40'	15	Sand, gravel & clay: Tan, limestone gravel to 1½" size.
40'	100'	60	Clay w/Caliche: Tan & buff, soft & indurated.
100'	120'	20	Caliche: Buff, indurated.
120'	430'	310	Clay & Caliche: Tan, white & buff, soft to indurated.
430'	530'	100	Clay w//gypsum streaks: Brn, soft to indurated. Sugary texture gypsum.
530'	560'	30	Clay: Lt brn, soft to indurated.
560'	595'	35	Clay w/gypsum: Brn & lt greenish gray, soft w/indurated streaks. Gypsum has a sugary texture.
595'	620'	25	Clay: Brn, greenish, gray, soft, lean clay, some decayed pieces of black wood.

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)
from 562 to 621 ft.

Other aquifers: 188' to 210'; 292' to 316'; 434' to 470'; 485' to 530'

First water at: 70' feet.

Casing perforated
from 290' to 630' ft.

Size of perforations
Horizontal Louvier 1/8"x3", staggered rows 2-2/3" apart.

(OVER)

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LOG OF FORMATIONS—*Continued*

From feet	To feet	Thickness	Type of material
620'	635'	15	Clay w/gypsum: Brn, & lt gray, soft; Gypsum has sugary texture.
630'	703'		Clay: Lt. greenish gray, becoming darker w/depth; lean clay, soft; only opened full size (28½") hole to depth of 650'.
			Bottom of 28½" hole = 650'
			" " 12½" (pilot) hole = 703'

CASING RECORD

Diam. casing	From feet	To feet	Length	"Remarks"—Seals, Grouting, Etc.
30"	2' above G.S.	50'	52'	Surface casing grouted entire depth.
14"	2' above G.S.	650'	652'	Perforated from 290' to 630' below G.S. Gravel packed well using 3/8" max. gravel. Used 89.2 Cubic yards of gravel.

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

No chemical analysis at this time. Conductance 580 micromhos = approx 440 PPM

445 GPM w/249' DD - Sanding condition (fine gray)

425 " " 242' " - Sand free

350 " " 203' " " "

315 " " 174' " " "

275 " " 164' " " "

215 " " 125' " " "

WELL DRILLER'S STATEMENT

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

Signed Phelps Pump & Equipment Co.
Well Driller

By.....

License No. 99

Dated 3/19, 19 63

(Not to be filled in by Driller)

RECEIVED
MAR 26 1963
DIV. OF WATER RESOURCES
BRANCH OFFICE
LAS VEGAS, NEVADA

08/06/2014