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WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Log No. 7511
Rec. 12-2 1963
Well No.
Permit No. ~~20415~~ 56876
Do not fill in.

Owner City of North Las Vegas Driller Phelps Pump & Equip. Company

Address 1301 E. Lake Mead Blvd. Address 400 E. Lake Mead Blvd. Lic. No. 98

Location of well: ~~NW~~ ¼ SW ¼ Sec. 6, T. 20 N/S, R. 61 E, in Clark County

or ~~Desert Air Estate~~ PERMIT NO. 56876

Water will be used for Municipal Total depth of well 1000

Size of drilled hole 36' 1-st 100'- 28½" -900 Weight of casing per linear foot 48 lb.

Thickness of casing 5/16 Temp. of water

Diameter and length of casing 1000' of 14.I.D.- 75' of 30"I.D. surface casing
(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'

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

Date of commencement of well 4-3-63 Date of completion of well 7-31-63

Type of well rig Rotary

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	12		Caliche
12	20		Caliche
20	30		Light Brown Clay
30	120		Light Brown Clay W/ Caliche
120	135		Light Brown Clay W/ Caliche & some red sandstone streaks
135	150		Caliche
150	190		Red Caly W/ Caliche atreaks
190	200		Gravel
200	210		Red Clay
210	250		Caliche W/red caly streaks
250	280		Gravel
280	290		Caliche
290	330		Gravel W/ Caliche Streaks
330	350		Red Clay
350	420		Caliche W/ Red Clay
420	440		Caliche W/ Red Clay
440	470		Red Clay W/ Caliche
470	490		Red Clay W/ Gravel
490	520		Medium gravel W/ red clay
520	530		Red Clay W /gray C
530	540		Dark gray Clay
540	560		Dark gray clay W/ red and Green clay
550	560		Dark Gray Clay W/ Red ~~Clay~~ clay
560	590		Red Clay
590	610		Red Clay W/ gravel
610	620		Red Clay W/ Caliche
620	630		Caliche
630	640		Red & White Clay W Caliche

(OVER)

Water-bearing Formation, Casing Perforations, etc.

Chief aquifer (water-bearing formation)

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

Other aquifers 758'-986'
190'-200'
290'- 330'

First water at 190 feet.

Casing perforated

from 758' to 986 ft.

Size of perforations

1/8 X 2½" machine

919

LOG OF FORMATIONS—Continued

From feet	To feet	Thickness	Type of material
640	650		Red & Dark Gray Clay W/ gravel
650	670		Red Clay W/ gravel & Caliche
670	700		Caliche W/ gray to tan Clay
700	740		Red Clay W. Caliche streaks
740	860		Conglomerate & gravel
860	935		Conglomerate & gravel
935	980		Conglomerate & gravel
980	1010		Red Clay & Gravel
1010	1020		Gravel
1020	1070		Red Clay W/ Gravel
1070	1080		Red Clay
1080	1110		Red Clay W/ Brown sand & silt
1100	1120		Gravel W/streaks of conglomerate & Brown sandstone
1120	1170		Conglomerate (fine)
1170	1200		Red Clay (1000 to 1200' abandoned test bore)

CASING RECORD

Diam. casing	From feet	To feet	Length	REMARKS—Seals, Grouting, etc.
30"	0	100	100	conductor pipe -grauted solid to surface
14 I.D.	0	1000	1000	gravel packed

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

2500 G.P.M. @ 224' draw down level

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 Lloyd Lemon
Driller

License No. 98

Dated 8/15, 1963

(Not to be filled in by Driller)

RECEIVED
NOV 27 1963
DIV. OF WATER RESOURCES
BRANCH OFFICE
LAS VEGAS, NEVADA