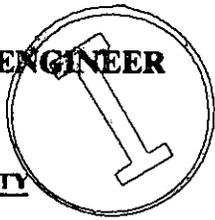


# WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA



Log No. 9380  
 Rec. .... 19  
 Well No. ....  
 Permit No. ~~23147~~ 23147  
 Do not fill in.

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Owner Seven-Seventy Corporation Driller Phelps Pump & Equipment Company  
 Address c/o Gordon Bell, 2419 L.V. Blvd So. Address 400 E. Lake Mead, NV Lic. No. 464  
 Location of well: 1/4 NE 1/4 Sec. 21, T. 22 N/S, R. 61 E, in Clark County  
 or SE 1/4 NW 1/4 ?  
 Water will be used for Quasi-Municipal Total depth of well 642'  
 Size of drilled hole 17 1/2" to 600' & 10 5/8" to 642' Weight of casing per linear foot .....  
 Thickness of casing 12" - 375 8" 10 Ga. Temp. of water 105%  
 Diameter and length of casing 12 1/4 I.D. to 600' 8" 592 to 642  
(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 105'  
 If flowing well describe control works .....  
(Type and size of valve, etc.)  
 Date of commencement of well 4-8-66 Date of completion of well 9-15-66  
 Type of well rig Rotary

### LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material	Water-bearing Formation, Casing Perforations, etc.
0	15		Gravel and sand	
15	21 1/2		sand & gravel	Chief aquifer (water-bearing formation)
21 1/2	27		clay	from ..... to ..... ft.
27	68		gravel & red silty clay	Other aquifers.....
68	107		red clay & gravel	
107	123		brown silty clay & gravel	
123	170		gravel some slightly cemented	
170	178		gravel	
178	185		gravel w/grey sandy clay	
185	302		hard conglomerate - cemented	
302	304		red clay	
304	336		hard conglomerate	
336	339		clay	
339	349		red clay	First water at ..... feet.
349	351		very hard conglomerate	
351	359		red sandstone, hard ledges	Casing perforated
359	368		hard conglomerate	from ..... to ..... ft.
368	425		sandstone, hard ledges	
425	427		lost circulation	
427	488		conglomerate - sandy clay ledges	Size of perforations
			no circulation	
488	535		conglomerate - sandy clay ledges	
			boulders - 0 to 70% circulation	
535	565		hard cemented conglomerate-boulders. Lost circulation completely at 546' Partial recovery with additional mud at 555'	

(OVER)

**LOG OF FORMATIONS—Continued**

From feet	To feet	Thickness	Type of material
565	590		Lost 100% @ 560' & mixed mud to full recovery Hard conglomerate, cemented, with fractures - Boulders void at 584 to 585
590	600		No circulation (might be sandy clay 596 - 600)
600	623		No circulation Drills 2' per minute approximately could be sandy clay w/boulders
623	642		Semi cemented gravel

**CASING RECORD**

Diam. casing	From feet	To feet	Length	REMARKS—Seals, Grouting, etc.
12"	0	600	600	
8"	590	642	52	Gravel Packed Grouted 1st. 100'

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

---



---



---



---



---



---



---

**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 & Co. Inc.  
Well Driller

By Lloyd Lemon - Mgr.

License No. 464

Dated 1/27, 1967

**(Not to be filled in by Driller)**

---



---



---



---



---



---



---



---



---



---

February 15, 1995

Mr. Dean Goodale  
State of Nevada  
Division of Water Resources  
555 East Washington Avenue  
Las Vegas, NV 89101

**Subject: Pebble Beach Apartment Project - Monitor Well Request**

Dear Mr. Goodale:

Please allow this letter to serve as notice that the 460' water well location at the southeast corner of Las Vegas Boulevard and Pebble Road will be abandoned and converted into a monitoring well.

As per our telephone conversation, the well is located in a common area and will be accessible at any time by given state agency for monitoring purposes. For safety precautions, a secured well cap will be located in place but not padlocked.

If you should have any further questions or need additional information, please contact us at your convenience.

Respectfully submitted,  
AMERICAN CONSTRUCTION MANAGEMENT



Tom Moss  
Planning and Development Coordinator

TM:sss

RECEIVED

FEB 21 1995

Div. of Water Resources  
Branch Office - Las Vegas, NV