

WELL LOG AND REPORT TO THE STATE  
ENGINEER OF NEVADA

Log No. 2871  
 Rec. 19  
 Well No. 15778  
 Permit No. 15778

Owner Southern Nevada Power Co. Driller William J. Mason & J. B. Nelson

Address Box 230, Las Vegas, Nevada Address 1727 Santa Paula Ave., Lic. No. 178  
Las Vegas, Nevada

Location of well: SE<sup>1</sup>/<sub>4</sub>, SE<sup>1</sup>/<sub>4</sub>, Sec. 28, T21S, R62E, in Clark County

or \_\_\_\_\_

Water will be used for Steam Power Production Total depth of well 9 5/8" to 1035  
Casing Set 990

Size of drilled hole 50 ft. 20", 940 ft. 16" Weight of casing per linear ft. 12" - 35 lbs.

Thickness of casing 1/4" Temp. of water 84°

Diameter and length of casing 50 ft. 18" id. - 990 ft. 12" id.  
 (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 70 G.P.M.

If nonflowing well give depth of standing water from surface \_\_\_\_\_

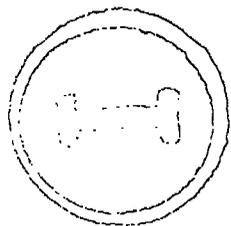
If flowing well describe control works Surface Case & Liner sealed with plate, pump column sealed from 12" Case with Redwood plug. (Type and size of valve, etc.)

Date of commencement of well Nov. 15, 1954 Date of completion of well Dec. 1, 1954

Type of well rig Rotary

LOG OF FORMATIONS

From Feet	To Feet	Thickness Feet	Type of Material	Water-bearing Formation, Casing Perforations, etc.
5	25	25	Sand and Red Clay	Chief aquifer (water-bearing formation)
25	205	180	Red Clay	
205	295	90	White Clay and Red Clay	From _____ to _____ ft.
295	325	30	Red and White Clay	
325	345	20	Red Clay and Some Sand	Other aquifers _____
345	425	80	Red Clay	
425	440	15	Red and White Clay	First water at <u>500</u> ft.
440	455	15	Red Clay, Trace of Sand	
455	495	40	Red Clay, Trace of Sand	Casing Perforated
495	505	10	Red Clay, Fine Sand	
505	545	40	Red Clay, Coarse Sand	From <u>500</u> to <u>990</u> ft.
545	570	25	Red Clay and Gravel	
	580	10	Water Gravel	Size of perforations
	585	5	Water Gravel	
585	590	5	Sand	<u>1/16 X 3"</u>
590	595	5	Sand and Blue Clay	
595	605	10	Blue Shale	



## LOG OF FORMATIONS

From Feet	To Feet	Thickness Feet	Type of Material	
605	615	10	Clay, Sand, Gravel	45' 6" - 18" I.D. Cemented Surface Pipe - $\frac{1}{4}$ " Wall 990' of $\frac{1}{4}$ " Wall Welded Collars 12 $\frac{3}{4}$ " O.D. 490 ft. of 50 mesh perforations 1035 ft. of $9 \frac{5}{8}$ " hole 990 ft. of 16" hole Gravel packed from 990 back up to surface with No. 67 gravel to stop all sand possible.
615	620	5	Sand and Clay	
620	635	15	Green Clay and Sand	
635	650	15	Red Clay and Sand	
650	660	10	Red Clay and Grey Shale	
660	670	10	Grey Shale	
670	675	5	White Shale	
675	680	5	Blue Sand Stone	
680	685	5	Red Clay and Sand	
685	700	15	Red Clay and Blue Clay	
700	715	15	Red Clay and Sand	
715	720	5	Sandy Stone, Red	
720	750	30	Quartz and Conglomerate Rock	
750	755	5	Red Clay and Conglomerate	
755	760	5	Conglomerate	
760	775	15	Blue Clay, Sand & Conglomerate	
775	780	5	" " " " (Larger)	
780	790	10	Green Shale & Conglomerate	
790	805	15	Green Shale and Red Clay	
805	820	15	Blue, Red and White Clay	
	825	5	Sandy Clay	
825	855	30	Red Clay and Sand	
855	900	45	Red Clay	
900	910	10	Blue Clay	
910	915	5	Sharp Sand and Clay	
915	930	15	Red Clay and Sand	
930	960	30	Red Clay and Fine Sand	
960	965	5	Blue and Red Clay	
965	990	25	Blue Clay and Sand	
990	995	5	Red Clay and Sand	
995	1000	5	Red and Blue Clay and Sand	
1000	1010	10	Blue Clay and Sand	
1010	1020	10	Red and Blue Clay	
1020	1035	15	Red Clay	

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CASING RECORD

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<u>Diam. casing</u>	<u>From feet</u>	<u>To feet</u>	<u>Length</u>	<u>"Remarks"--Seals, Grouting, Etc.</u>
12 id	0	990'	40'	50' Surface String 18" Case 1/4" Well - into 20 $\frac{1}{2}$ " hole, cement from 50' to surface - 3 $\frac{1}{4}$ " yds. sand & cement.

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

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Free flow - about 70 g.p.m. Test Run - from pump set at 400 ft. (10" bowls, 6" column. 400 ft. air line) draw down to \_\_\_\_\_ ft. delivery \_\_\_\_\_ g.p.m.

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WELL DRILLER'S STATEMENT

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

SIGNED \_\_\_\_\_  
Well Driller

BY \_\_\_\_\_

License No. \_\_\_\_\_

Dated January 3, \_\_\_\_\_, 1955