WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Log No. 8047
Rec. Sept 3, 1964
Well No. 25832
Permit No. ~~21495~~
33A Do not fill in.

Owner: Union Development Co. Driller: Armstrong Bros
Address: 5555 Artesia Ave. Address: P.O. Box B Orovada Lic. No. 5345

Location of well: NE ¼ SW ¼ Sec 20, T 42 N/S, R 37 E, in Humboldt County

or

Water will be used for: Irrigation Total depth of well: 528 ft

Size of drilled hole: 16" Weight of casing per linear foot: 44 lbs.

Thickness of casing: ¼" Temp. of water

Diameter and length of casing: 16½" x 480 ft.
(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: 46 ft.

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

Date of commencement of well: Dec. 12, 1963 Date of completion of well: Jan 3, 1964

Type of well rig: Cable Tool Rud Saw

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	3	3	Topsoil
3	33	30	Soft Brown Clay
33	55	22	Brown Sand
55	90	35	Soft Brown Clay
90	98	8	Sand and Sea Gravel
98	155	57	Soft Brown Clay
155	161	6	Granit Sand
161	182	21	Soft Brown Clay
182	196	14	Granit Sand
196	254	58	Soft Brown Clay
254	260	6	Granit Sand
260	300	40	Sandy Brown Clay
300	321	21	Granit Sand
321	332	11	Brown Clay
332	340	8	Granit Sand
340	366	26	Brown Sticky Clay
366	385	19	Brown Sandy Clay
385	388	3	Granit Sand
388	412	24	Soft Brown Clay
412	415	3	Granit Sand
415	428	13	Soft Brown Clay
428	432	4	Granit Sand
432	445	13	Soft Brown Clay

(OVER)

Water-bearing Formation, Casing Perforations, etc.

Chief aquifer (water-bearing formation)

from 520 to 528 ft.

Other aquifers: Sand Stratas all way down

First water at 35 feet.

Casing perforated

from 200 to 475 ft.

Size of perforations

½" x 2 Mills

919

LOG OF FORMATIONS—Continued

From feet	To feet	Thickness	Type of material
445	462	17	Granit Sand
462	471	9	Soft Brown Clay
471	476	5	Granit Sand
476	524	48	Brown Clay
524	528	4	Gravel and Sand 3/4" minus Gravel - Block

CASING RECORD

Diam. casing	From feet	To feet	Length	REMARKS—Seals, Grouting, etc.
16 1/2 O.D.	0	480	480'	

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

2660 G.P.M. @ 120 ft. Well was pumped 7
2500 G.P.M @ 110 ft hrs. before test was
2700 G.P.M @ 115 ft taken. Pump well 10 hrs.
Best recovery of well total. Great amount of sand
is 58 ft. pumped first seven hrs.

WELL DRILLER'S STATEMENT

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

Signed Armstrong Bros.
Well Driller

By Joe L. Armstrong

License No. 420

Dated Jan. 19, 19 64

(Not to be filled in by Driller)

1964 SEP 3 AM 10 26
STATE ENGINEER
OFFICE