Permit #15950

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Basin #1084

Log No. 4136
Rec. June 30 19 58
Well No.
Permit No. 15950
Do not fill in

Owner: Lee Buck — Driller: Ogden & Son

Address: Box 860, Yerington, Nevada — Address: Yerington, Nevada — Lic. No. Neeley 260

Location of well: NE ¼ SW ¼ Sec. 34, T. 14 N/S, R. 26 E, in Lyon County

or

Water will be used for: Irrigation — Total depth of well: 120'

Size of drilled hole: 18" — Weight of casing per linear foot: 14.4 lbs.

Thickness of casing: 12 gauge — Temp. of water: 48 degrees

Diameter and length of casing: 12" x 120'
(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: 38'

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

Date of commencement of well: May 9, 1958 — Date of completion of well: May 22, 1958

Type of well rig: Rotary

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	40	40	Sandy loam
40	50	10	Course Sand
50	110	60	Course gravel & Boulders
110	120	10	Course Gravel & Rocks

(OVER)

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)

from 40 to 120 ft.

Other aquifers: none

First water at 38' feet.

Casing perforated

from 40' to 120' ft.

Size of perforations

¼"x10"

919

LOG OF FORMATIONS—*Continued*

From feet	To feet	Thickness	Type of material

CASING RECORD

Diam. casing	From feet	To feet	Length	"Remarks"—Seals, Grouting, Etc.
12"	0	120	120	Gravel packed

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

Pumped 520 gallons per minute.
Very good water.

WELL DRILLER'S STATEMENT

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

Signed [illegible]
Well Driller

By.....

License No.....

Dated June 24, 19 58

Drillers License is issued to Tom Neeley & we do not have listing of his number.

(Not to be filled in by Driller)

1958 JUN 30 AM 9 18

STATE ENGINEER
OFFICE

Log 4136
20369

225 So. Arlington Ave.
Reno, Nevada

WATER INCORPORATED
Consulting Engineers

Phone
FA 9-2396

PUMP TEST REPORT

15950

Date July 28, 1961. Test No. 165 Water Permit No. 18443

Name Raleigh F. Waller Address Yearington, Nevada

Plant Location ~~S½~~ NE¼ SW¼ Sec. 34, T 14 N., R 26 E. Water Use Irrigation

Well Depth 136' Well Dia. 12" Well Log No. 4136

Po.Co.Meter Co. _____ Meter "K" 78.3 Meter R.P.M. 32.3 / 10 19.3

~~Engine~~ Motor Mnfg. Westinghouse Rated 10 H.P. 1800 R.P.M.

Serial No. 1443 Volts 240 Amps. _____

Pump Mnfg. Byron Jackson Type Ls Turbine Serial No. 1 KHC-2 174899

Drive _____ Gr.Hd.Mnfg. _____ Serial No. _____

TEST RESULTS

Standing Water Level Below Surface of Ground	36'			Ft.
Drawdown from Standing to Pumping Level	19'			Ft.
Discharge Level Above Center of Discharge	55'			Ft.
TOTAL LIFT (Water to Water)	55'			Ft.
WATER PUMPED	580			G.P.M.
Yield of Well (G.P.M. per Feet Drawdown)	30.5			G.P.M./Ft.
Acre Feet Water Pumped in 24 Hours	2.5			Ac.Ft.
Measured Speed of Pump	1760			R.P.M.
Horsepower Input to Motor/~~Engine~~	12.2			H.P.
Kilowatt Input to Motor / ~~Fuel Consumption~~	90.7			
Kilowatt Hours per Acre Feet Water Pumped	934			K.W.H./A.F.
Fuel Consumption per Acre Feet Water Pumped				Gal./Hr.
Cost per Acre Feet Water Pumped	$2.24			$/Ac./Ft.
Temperature of Water	62°			° F.
Sand Content (Parts Pr. Million Gal.)	Neg.			P.P./M./Gal.
OVERALL PLANT EFFICIENCY	66.2%			Percent.

REMARKS _____

Bruce Baquill
Test Engineer.