

OBSERVATION WELL WATER WELL REPORT
STATE OF OREGON

Lake
1267

State Well No. 28/14-21
State Permit No.

(1) OWNER:

Name U.S. Forest Service, USDA
Address Silver Lake, Ore.

(2) LOCATION OF WELL:

County Lake Owner's number, if any—
NW 1/4 SE 1/4 Section 21 T. 28S R. 14E W.M.
Bearing and distance from section or subdivision corner
N10°E - 22 ch. from 1/4 corner
Sec. 21, 28.

(3) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
Abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(6) CASING INSTALLED:

Threaded Welded
3 5/8" Diam. from 0 ft. to 242 ft. Gage 188
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? Yes No
Type of perforator used
SIZE of perforations 1/8 in. by 1 1/2 in.
..... perforations from 180 ft. to 240 ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

(8) SCREENS:

Well screen installed Yes No
Manufacturer's Name
Type Model No.
..... Slot size Set from ft. to ft.
..... Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.
Was a surface seal provided? Yes No To what depth? 180 ft.
Material used in seal— Cement
Did any strata contain unusable water? Yes No
Type of water? part Depth of strata 146
Method of sealing strata off Cement

(10) WATER LEVELS:

Static level 74-6 in ft. below land surface Date Dec 14
Artesian pressure lbs. per square inch Date

Log Accepted by:

[Signed] Date, 19.....
(Owner)

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?
Yield: gal./min. with ft. drawdown after 8 hrs.
" 66 " 4 1/2 " 2 "
" 154 " 4 1/2 " 4 "
Bailer test gal./min. with ft. drawdown after 8 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well 8 inches.
Depth drilled 240 ft. Depth of completed well 240 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Cement gravel	0	180
cherty sandstone	18	40
blue chalk	40	73
black lava rock	73	94
blue chalk	94	145
small gravel	145	146
sand stone red	146	174
sandy red clay	174	220
and strata of		
and	220	240
water bearing		
units		

RECEIVED
DEC 19 1958
STATE ENGINEER
SALEM, OREGON

Work started Nov 20 1958 Completed Dec 15 1958

(13) PUMP:

Manufacturer's Name Western
Type: Turbine H.P. 28

Well Driller's Statement:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME W.H. Hartley & Son
(Person, firm, or corporation) (Type or print)

Address Banana Ore

Driller's well number

[Signed] Robert F Hartley
(Well Driller)

License No. 164 Date Dec 15, 1958

WELL RECORD
Soil Conservation Service

28/14-21

LAKE K(1)

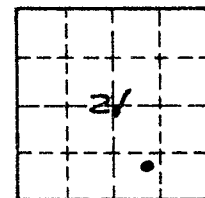
LOCATION

Well No. _____

State Ore. County Lake Area No. 5

SCD Fort Rock-Silver Lake Nearest Town Silver Lake

OWNER U.S. Forest Service Driller _____



LOCATE WELL IN SECTION

Topography of Site Slope into valley SW 1/4 SE 1/4 Sec. 21 T. 28S R. 14E
hill, arroyo, valley, etc.

TYPE Drilled Use Ranger Station Date Drilled _____ Elevation 4387
(dug, drilled) (Reported)

DEPTH 240 (Measured) Static Water Level 74.6 (Reported) Date Meas. _____
(ft. below ground surf.) (Measured)

HOLE DIA.: Top _____ HOLE DIA: Bottom _____ Cost _____
(Well and Casing)

WATER BEARING STRATA:

From	To	Material	Formation
<u>220</u>	<u>240</u>	(Sand, Gravel, Sand- <u>Cinders</u> stone, Limestone)	_____
"	_____	_____	_____
"	_____	_____	_____
"	_____	_____	_____

HEAD (Feet water rises above water table) _____ Flow at Surface No.

YIELD 154 Type of test Pump Length of Test 3 Drawdown 10.4
gpm (bailer or pump) (hrs.) (feet)

CASING: Kind Plastic Size _____ Length 240 Perforated 180 feet to 240 feet
" _____
" _____
" _____

PUMP: (type) _____ Size or Capacity _____ Type Power Electric

Bowl Setting _____ Discharge Pipe _____ Pump Column _____
(Depth) (Dia.) (Dia.)

GRAVEL PACK _____ SCREEN _____

QUALITY OF WATER _____
(Attach analyses if available)

REMARKS 1 da. spent bailing sand + cinders that would come thru perforations. 1 da. spent running surge block and bailing sand and ties. 1 da. test pumping. Summary of pumping test - Drawdown to 85.0 after 3 hrs pumping at 60 gpm for 1st hour and increasing to 154 gpm during last

SOURCE OF INFORMATION Forest Service, Lakeview, Ore. 15 min. Recovery time 1 min 18 sec.

DATE Oct 28, 1959

(Record log of well on reverse side)

STATE ENGINEER
Salem, Oregon

State Well No. 28/14-21 K(1)

County Lake

Application No.

Chemical Analysis

OWNER U.S. Forest Service OWNER'S NO. 1

ANALYST USGS Address

Date of Collection 12/12/58

Point of Collection

	P.P.M.	E.P.M.
Silica (SiO ₂)	43.	
Iron (Fe) Total	.07	
Manganese (Mn)		
Calcium (Ca)	14.	
Magnesium (Mg)	7.7	
Sodium (Na)	10.	
Potassium (K)	2.8	
Bicarbonate (HCO ₃)	107.	
Carbonate (CO ₃)	0.	
Sulfate (SO ₄)	4.4	
Chloride (Cl)	1.5	
Fluoride (F)	.1	
Nitrate (NO ₃)	.5	
Boron (B)		
Dissolved Solids	137.	
Hardness as CaCO ₃	66.	
Specific Conductance (Micromhos at 25°C)	177.	
pH	8.2	
Percent Sodium		
Sodium Absorption Ratio (S.A.R.)		
CLASS		