

STATE ENGINEER
Salem, Oregon

Well Record

STATE WELL NO. 27/15-24N(1)
COUNTY Lake
APPLICATION NO. U-439

OWNER: Darrel G. Bowen Arrow Gap Ranch

MAILING

ADDRESS: P.O. Box 7752

LOCATION OF WELL: Owner's No. 1

CITY AND

STATE: Portland, Oregon

SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24 T. 27 N. S., R. 15 E. W., W.M.

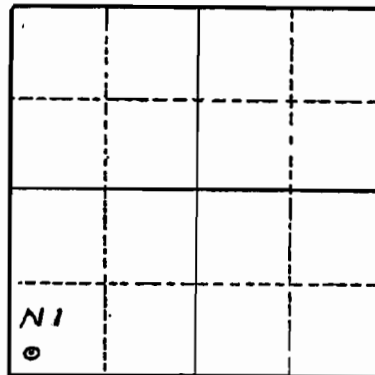
Bearing and distance from section or subdivision

corner N. 40° 08' E., 404 ft. from SW cor. Sec. 24

Altitude at well 4,315 Barometric Traverse USGS

TYPE OF WELL: drilled Date Constructed 1947

Depth drilled 351 Depth cased



Section 24

CASING RECORD: 12 inch

FINISH:

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AQUIFERS: sand

WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL: 32.91 ft. below land surface, Oct. 21, 1948

PUMPING EQUIPMENT: Type turbine H.P.
Capacity G.P.M.

WELL TESTS:

Drawdown 15.23 ft. after 15 min. hours pumping 250 G.P.M.

Drawdown 95 ft. after hours pumping 800 G.P.M.

USE OF WATER Irrigation 43 1/2 acres Temp. 50 °F. December 3, 1948

SOURCE OF INFORMATION USGS U-439

DRILLER or DIGGER

ADDITIONAL DATA:

Log X Water Level Measurements Chemical Analysis X Aquifer Test

REMARKS:

STATE ENGINEER
Salem, Oregon

State Well No. 27/15-24N(1)
County _____ Lake _____
Application No. U-439

Well Log

Owner: Arrow Gap Ranch Owner's No. 1

Driller: J. T. Miller Date Drilled 1947

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Soil sandy	0	6	6
Older Valley fill:			
Clay	6	34	28
Sandstone	34	54	20
Clay, yellow	54	74	20
Clay, green	74	98	24
Sand and clay, gray, some water	98	110	12
Clay, gray	110	124	14
Clay, brown	124	150	26
Sand, white, water bearing	150	160	10
Clay, blue	160	190	30
Pleistocene volcanic rocks and interbedded older valley fill:			
Rock, soft, black, streaks of black sand	190	202	12
Clay, gray	202	220	18
Clay, brown, and white rock	220	228	8
Clay, blue	228	243	15
Clay, gray	243	265	22
Clay, brown, and some sand	265	285	20
Rock, soft, black	285	293	8
Clay, sandy, gray	293	330	37
Clay, broken, and gravel	330	341	11
"Lime", soft, brown	341	342	1
Rock, soft, black, and white sand	342	346	4
Rock, lava, hard	346	351	5

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STATE ENGINEER
Salem, Oregon

State Well No. 21/5-24N(1)
County LAKE
Application No. 0439

Chemical Analysis

OWNER Arrow Gap Ranch OWNER'S NO. #1
ANALYST U.S. Geological Survey Address _____
Date of Collection December 3, 1948
Point of Collection _____

	P.P.M.	P.P.M.
Silica (SiO ₂)	45	
Iron (Fe) Total	.52	
Manganese (Mn)	.4	
Calcium (Ca)	8.4	.42
Magnesium (Mg)	5.7	.47
Sodium (Na)	16	.70
Potassium (K)	1.9	.05
Bicarbonate (HCO ₃)	92	1.51
Carbonate (CO ₃)		
Sulfate (SO ₄)	2.9	.06
Chloride (Cl)	2.2	.06
Fluoride (F)	.2	.01
Nitrate (NO ₃)	.2	.00
Boron (B)	.02	.01
Dissolved Solids	128	
Hardness as CaCO ₃	44	
Specific Conductance (Micromhos at 25°C)	145	
pH	8.1	
Percent Sodium	43	
Sodium Absorption Ratio (S.A.R.)		
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WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 27/15-24 N(1)

County Lake

Application No. 4-439

Water Level Record

OWNER: Paul W. Lo Made (Arrow Gap Ranch) OWNER'S NO. #1

Description of measuring point: Top of measuring port at base of pump
on east side. (CHANGED (10-19-61) TO POINT ON TIMBERS 0.5' ABOVE LSD

[illegible]REMARKS: See hydrograph

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SALEM, OREGON

NOTICE TO WATER WELL CONTRACTOR

The original and first copy
of this report are to be
filed with the

STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

WATER WELL REPORT

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STATE OF OREGON

(Please type or print)

JUN 20 1977

(Do not write above this line)

State Well No. 275/56-24cd

State Permit No. _____

WATER RESOURCES DEPT.

(1) OWNER:

Name Dartell Bowen SALEM, OREGONAddress Silver Lake, OR. 97638

(2) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☒ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

CASING INSTALLED:

Threaded ☐ Welded ☐14" Diam. from 0 ft. to 101 ft. Gage 250

" Diam. from _____ ft. to _____ ft. Gage _____

" Diam. from _____ ft. to _____ ft. Gage _____

PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used _____

Size of perforations _____ in. by _____ in.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is
lowered below static levelWas a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

" " " " " "

" " " " " "

Bailer test 20 gal./min. with 0 ft. drawdown after 3 hrs.

Artesian flow _____ g.p.m.

Temperature of water 52 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used CementWell sealed from land surface to 101 ft.Diameter of well bore to bottom of seal 17 in.Diameter of well bore below seal 8 in.Number of sacks of cement used in well seal 10 sacks

Number of sacks of bentonite used in well seal _____ sacks

Brand name of bentonite _____

Number of pounds of bentonite per 100 gallons

of water _____ lbs./100 gals.

Was a drive shoe used? ☒ Yes ☐ No Plugs _____ Size: location _____ ft.Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ depth of strata _____

Method of sealing strata off _____

Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County Lake Driller's well number _____SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 24 T. 27S R. 15E W.M.

Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found N/A Repair Only ft.Static level 28 ft. below land surface. Date 6/25/77

Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 8 in.Depth drilled _____ ft. Depth of completed well 362 ft.

Formation: Describe color, texture, grain size and structure of materials;
and show thickness and nature of each stratum and aquifer penetrated,
with at least one entry for each change of formation. Report each change in
position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Cleaned off Sand Fill Only			
Reamed old hole to			
17" from 0 to 101			
Brown Clay	0	38	
Sand Stone	38	59	
Blue Clay	59	101	

Cleaned off Sand Fill From
200' to Bottom of hole

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SALEM, OREGON

Work started 6/6 1977 Completed 6/25 1977Date well drilling machine moved off of well 6/25 1977

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision.
Materials used and information reported above are true to my
best knowledge and belief.

[Signed] Alan B. Woods Date 6/27, 1977
(Drilling Machine Operator)

Drilling Machine Operator's License No. 1015

Water Well Contractor's Certification:

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

Name Blaylock & Woods Well Drilling
(Person, firm or corporation) (Type or print)

Address P.O. Box 22 Silver Lake, OR.

[Signed] Alan Blaylock
(Water Well Contractor)

Contractor's License No. 425 Date 6/27, 1977

(USE ADDITIONAL SHEETS IF NECESSARY)

SP-4568-119