NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

Lake 2611

State Well No. 39S/20E-27db

State Permit No. .....

(1) OWNER:
Name NORTHWEST GEOTHERMAL
Address 123 N.W. FLANDERS ST.
PORTLAND OR 97201

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [X] Driven [ ]
Cable [ ] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [X]

(5) CASING INSTALLED:
Threaded [ ] Welded [X]
8" Diam. from +1 ft. to -179 ft. Gage .250
..." Diam. from ..... ft. to ..... ft. Gage .....
..." Diam. from ..... ft. to ..... ft. Gage .....

(6) PERFORATIONS:
Perforated? [ ] Yes [X] 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 [X] 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 level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 100 gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 190° Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION:
Well seal—Material used NEET CEMENT
Well sealed from land surface to -179 ft.
Diameter of well bore to bottom of seal 12 in.
Diameter of well bore below seal 8 in.
Number of sacks of cement used in well seal 4 YDS, 108 sacks
How was cement grout placed? PUMPED
Was a drive shoe used? [ ] Yes [X] No Plugs ..... Size: location ..... ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

(10) LOCATION OF WELL:
County LAKE Driller's well number BERRY #3
NW ¼ SE ¼ Section 27 T. 39S R. 20E W.M.
Bearing and distance from section or subdivision corner
200 FT E. OF US Hwy 395 + 200 FT. So. OF N. BOUNDRY OF SE¼

(11) WATER LEVEL: Completed well.
Depth at which water was first found 50 ft.
Static level 20 ft. below land surface. Date 9-15-80
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 8"
Depth drilled 1355 ft. Depth of completed well 1355 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
SEE ATTACHED SHEET.			

RECEIVED
OCT 31 1980
WATER RESOURCES DEPT
SALEM, OREGON

Work started 7-10 1980 Completed 9-15 1980
Date well drilling machine moved off of well 9-20 1980

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] W. D. Williams (Drilling Machine Operator) Date 9-24, 1980
Drilling Machine Operator's License No. 864

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 AQUA TER. DRLG. INC. (Person, firm or corporation) (Type or print)
Address P.O. BOX 1310, LAKEVIEW, OR. 97630
[Signed] W. D. Williams (Water Well Contractor)
Contractor's License No. 665 Date 10-28, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

Lake Co. 39s/20e-27db
LO- Northwest Geothermal
1355' deep

NORTHWEST GEOTHERMAL CORPORATION
200 S.W. Market Street, Suite 1900
Portland, Oregon 97201
(503) 226-4211

Lithologic Log

Gulf Barry #2

0'	- 15'	gravel
15'	- 25'	silty clay
25'	- 30'	gravel
30'	- 50'	sandy clay
50'	- 90'	gravel
90'	- 100'	sand
100'	- 115'	gray clay
115'	- 130'	green gray welded tuff
130'	- 226'	grayish green lithic tuff
226'	- 250'	green welded tuff
250'	- 421'	green to brown lithic tuff
421'	- 422'	calcite vein
423'	- 910'	green to brown lithic tuff breccia
910'	- 930'	gray green andesite
930'	- 950'	basalt
950'	- 1010'	dark gray basaltic andesite
1010'	- 1050'	green gray andesite
1050'	- 1060'	lithic breccia
1060'	- 1070'	black basalt
1070'	- 1160'	dark gray to green tuff breccia
1160'	- 1190'	greenish gray andesite
1190'	- 1230'	green to brown lithic breccia
1230'	- 1245'	greenish gray andesite
1245'	- 1250'	brownish green lithic breccia
1250'	- 1270'	green dacite
1270'	- 1280'	lithic breccia
1280'	- 1290'	dark gray andesite
1290'	- 1310'	tuff breccia
1310'	- 1320'	gray andesite
1320'	- 1355'	lithic breccia