

WATER WELL REPORT
STATE OF OREGON

Polk
1978

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State Well No. 75/4W-13ab

WATER RESOURCES DEPT.
SALEM, OREGON

(1) OWNER:

Name Orchard Heights Water Association
Address P.O. Box 5196
City Salem State Or.

(2) TYPE OF WORK (check):

New Well [] Deepening [] Reconditioning [X] Abandon []

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air [X] Driven []
Rotary Mud [] Dug []
Bored []

(4) PROPOSED USE (check):

Domestic [] Industrial [] Municipal [X]
Irrigation [] Test Well [] Other []
Thermal: Withdrawal [] ReInjection []

(5) CASING INSTALLED:

original

Steel [] Plastic []
Threaded [] Welded []

" Diam. from . . . ft. to . . . ft. Gauge
" Diam. from . . . ft. to . . . ft. Gauge

LINER INSTALLED: original

" Diam. from . . . ft. to . . . ft. Gauge

(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?

gal./min. with . . . ft. drawdown after . . . hrs.
Air test 40 gal./min. with drill stem at 540 ft. 1 hrs.
Bailer test gal./min. with . . . ft. drawdown after . . . hrs.
Artesian flow g.p.m.
Temperature of water . . . Depth artesian flow encountered . . . ft.

(9) CONSTRUCTION:

Special standards: Yes [X] No []

Well seal—Material used original
Well sealed from land surface to . . . ft.
Diameter of well bore to bottom of seal . . . in.
Diameter of well bore below seal . . . in.
Number of sacks of cement used in well seal 160 to stop casing
How was cement grout placed? pumped from bottom up

Was pump installed? no Type . . . HP . . . Depth . . . ft.
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 Polk Driller's well number
NW 1/4 NE 1/4 Section 13 T. 7S R. 4W W.M.

Tax Lot # . . . Lot . . . Blk . . . Subdivision . . .
Address at well location: NA

(11) WATER LEVEL: Completed well.

Depth at which water was first found orig. ft.
Static level 440 ft. below land surface. Date 7-11-83
Artesian pressure . . . lbs. per square inch. Date . . .

(12) WELL LOG:

Diameter of well below casing 7 7/8"

Depth drilled 1 ft. ft. Depth of completed well 584 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.

Table with columns: MATERIAL, From, To, SWL. Content: Well was repaired as to attached sheet.

Work started 6-28 1983 Completed 7-11 1983
Date well drilling machine moved off of well 7-11 1983

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] Date 7-12, 1983

Drilling Machine Operator's License No. NA

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 West Coast Drilling Co. Inc. (Type or print)

Address 229 Academy St. Mt. Angel, Or.

[Signed] Charles E. Stadel (Water Well Contractor)

Contractor's License No. 519 Date 7-12-83, 1983

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.

SP*12658-690

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1. Background: In 1981 the Orchard Heights Water Association (OHWA) contracted with AQUA-TECH Well Construction Inc. (AQUA-TECH) for the construction of a water well to be located at 4350 Orchard Heights Road N.W., Salem, Ore, 97304. Work started 21 April 81 and was completed 28 May 81. See enclosure #1 for the official drilling report. Water of approximately 30 GPM was encountered at 265 feet through 278 feet. OHWA informed the contractor that we did not want to pump the water nor did we want to be involved with cascading water. The contractor stated that he would install three shale packers and that should take care of the problem. The packers were installed at 300', 320', and at 545'. They were secured to the steel well liner by stainless steel clamps. Evidently the packers did not remain in position in that the Oregon Water Resources Department conducted a salt conductivity test that indicated water was passing from upper elevation to approximately the 550 foot lower elevation. Water Resources informed OHWA that the flow must be stopped if OHWA was to receive approved permit to appropriate water.
2. Proposed Correction and Work to be Did Upon:
 - a. Remove 8" liner from well.
 - b. Install gravel and sand packer material from 583' up to approximately 410'. Install at 410' a 5' cement plug.
 - c. Pump neat cement grout from 405' up to approximately 210', approximately 160 sacks.
 - d. Let cement set a minimum of 72 hours.
 - e. Drill out cement, clean out plug material, chase hole to 583'.
 - f. Reinstall 8" liner, clean out liner and hole to 583' and develop well for 1 hour.
3. General Comment: