29-2E-14C

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission ("x" in circle)

○ Construction

○ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT Notice of Intent No. _____

Unique Ecology Well ID Tag No. AGA 907

Water Right Permit No. Cert. 5825

Property Owner Name FREELAND WATER District

Well Street Address 1687 Scenic Avenue

City FREELAND County Island

Location NE/4-1/4 NW/4 Sec 14 Twn 29 R 2 (EWM) or WWM circle one

Lat/Long (s, t, r Still **REQUIRED**) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. S 8245-00-00004-0

PROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) 1

☐ New well ☒ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☒ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 8" inches, drilled _____ ft.

Depth of completed well 261 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 8" Diam. from +1 ft. to 251 ft.

☐ Liner installed _____" Diam. from _____ ft. to _____ ft.

☐ Threaded _____" Diam. from _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☒ Yes ☐ No ☐ K-Pac Location _____

Manufacturer's Name —

Type STAINLESS STEEL Model No. —

Diam. 8" Slot size _____ from 251 ft. to 256 ft.

Diam. 8" Slot size _____ from 256 ft. to 261 ft.

Gravel/Filter packed: ☐ Yes ☐ No ☐ Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☐ Yes ☐ No To what depth? _____ ft.

Material used in seal _____

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name Flint + Walling

Type: Submersible H.P. 20

WATER LEVELS: Land-surface elevation above mean sea level Approx 260'

Static level 233 ft. below top of well Date 12-4-2009

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Hydrogeologist

Yield: 180 gal./min. with 12.2 ft. drawdown after 1 hrs.

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

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

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 12-11-2009

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☒ No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Construction information corrected and up dated from Video Camera Inspection (12-4-2009)		

RECEIVED DEPARTMENT OF ECOLOGY

APR 29 2010

WATER RESOURCES PROGRAM NWRO

Start Date 11-24-2009 Completed Date 12-11-2009

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (print) JAMES M.E. LEHMAN

Driller/Engineer/Trainee Signature [signature]

Driller or trainee License No. # 0263

Drilling Company B + W Pump Co.

Address P.O. Box 55

City, State, Zip FREELAND WA. 98249

Contractor's Registration No. BWPUMC*941R6 Date 4-23-2010

If TRAINEE,

Driller's Licensed No. _____

Driller's Signature _____

Ecology is an Equal Opportunity Employer.

ECY 050-1-20 (Rev 3/05) **The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.**

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

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project _____ project no. _____

by _____ date 4/27/10 sheet _____ of _____ checked by _____

Arlene,

Enclosed is the original and 1st Copy of a corrected Water Well Report for Freeland Water + Sewer District's Well 1 (AGA907). During a video inspection, we discovered that the well screen was 10 feet deeper than reported on previous versions of the well log. Also, the lower 5 feet of the screen is a smaller diameter. Therefore, the drilling company that was conducting the rehabilitation work completed this form.

Thank you.

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DEPARTMENT OF ECOLOGY
29 2010
WATER RESOURCES PROGRAM
NWRO

GeoEngineers
Earth Science + Technology

CERT - 5825
Appli 7797
Permit 7499

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION AND DEVELOPMENT

WELL LOG No /

Date October 5, 1967

Record by Driller

Source Driller's record

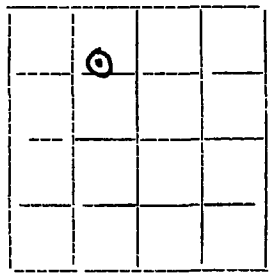

Diagram of Section

Location State of WASHINGTON

County Island

Area

Map

NE ¼ NW ¼ sec 14 T 29N R 2E E/W

Drilling Co Alton L Nelson

Address Route 2, Box 492, Oak Harbor, Wash

Method of Drilling Driven Date Dec 15 1965

Owner Freeland Water District

Address Freeland, Washington

Land surface, datum ft above/below

SWL 243' 12-15-65 Dims 8" x 257'

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	(Transcribe driller s terminology literally but paraphrase as necessary in parentheses If material water bearing so state and record static level if reported Give depths in feet below land surface datum unless otherw se indicated Correlate with stratigraphic column if feasible Following log of materials list all casings perforations screens etc)		
	Municipal		
	Sand, Dirty	0	42
	Clay, Sandy, brown	42	47
	Clay, sandy, blue	47	58
	Clay, blue	58	92
	Clay, sandy, blue	92	106
	Sand, dirty	106	118
	Clay	118	127
	Clay, sandy	127	156
	Sand, dry	156	233
	Sand, clean	233	260
	Clay, gravelly	260	
	Casing 10" from 0' to 50'		
	8" from 50' to 250'		
	Surface seal 0' to 10'		
	concrete		

Turn up Sheet of sheets

WELL LOG —Continued No / -

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Depth forward	———	
	screens from 242' to 252'		
	Yield 300 gpm with 14'DD after 4 hrs		
	Pump 20 h p Line Shaft Turbine		
	Peerless		

S F No 7449—OS—6 61—2M