

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION
TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

- Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- Ground Water (Issued in accordance with the provisions of Chapter 203, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE February 6, 1989	APPLICATION NUMBER G2-27487	PERMIT NUMBER	CERTIFICATE NUMBER
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NAME ^{DN} Stephan and Lorraine Gangsei			
ADDRESS (STREET) 8708 Johnson Point Road NE	(CITY) Olympia	(STATE) Washington	(ZIP CODE) 98506

PUBLIC WATERS TO BE APPROPRIATED

SOURCE Well
TREASURY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 45	MAXIMUM ACRE-FEET PER YEAR 3.5
QUANTITY, TYPE OF USE, PERIOD OF USE 3.5 acre-feet per year	Irrigation (2.5 acres)	May 1 to October 1

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL 800 feet north and 1050 feet west of the south quarter corner of Section 4.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) SE ¹ / ₄ SW ¹ / ₄	SECTION 4	TOWNSHIP N. 19	RANGE, (E. OR W.) W.M. 1W	W.R.L.A. 13	COUNTY Thurston
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RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Parcel #1 of Short Subdivision #SS1355 described as follows:

The Northerly 493 feet of that portion of the Southeast quarter of the Southwest quarter of Sec. 4, T. 19 N., R. 1 W.W.M., described as follows:

Beginning at the Southeast corner of said subdivision and running thence North 1° 42 '32" East along the East line of said subdivision, 329.44 feet; thence North 88° 22 '24" West 877.49 feet; thence North 1° 42 '26" West 808.15 feet; thence North 88° 15 '44" West 434.44 feet; more or less, to the West line of said subdivision; thence South 1° 42 '26" West along said West line to the Southwest corner of said subdivision; thence South 88° 22 '24" East 1311.92 feet, more or less, to the point of beginning.

EXCEPT county road known as Johnson Point Road.

TOGETHER WITH AND SUBJECT TO a 20 foot wide easement for ingress, egress, and utilities over, under and across a 20 foot wide strip, the centerline of which is described as that portion of the Southerly line of Parcel 1 of said short subdivision lying Easterly of Johnson Point road.

Parcel #2 of Short Subdivision #SS1355 described as follows:

The Westerly 262.44 feet of the Southerly 255 feet of the Northerly 748 feet of that portion of the Southeast quarter of the Southwest quarter of Sec. 4, T. 19 N., R. 1 W.W.M., described as follows:

DESCRIPTION OF PROPOSED WORKS

A well equipped with a pump capable of discharging 100 gpm to a 500 gallon storage tank.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:

Started

COMPLETE PROJECT BY THIS DATE:

September 1, 1991

WATER PUT TO FULL USE BY THIS DATE:

September 1, 1992

REPORT

BACKGROUND

On February 6, 1989, Stephan and Lorraine Gangsei of Olympia, Washington filed for a permit under the provisions of Chapters 90.03 and 90.44 Revised Code of Washington (RCW), to appropriate public ground water from a well at a rate of 100 gallons per minute, for single domestic supply and irrigation of 10 acres. The application was accepted for processing and assigned Application No. G 2-27487. The priority date of this application is February 6, 1989.

A legal notice of the applicants proposed diversion was prepared by department staff and published in "The Daily Olympian" of Olympia, Washington. No objections to this appropriation were received.

INVESTIGATIONS

In consideration of this application, I conducted a field investigation on April 10, 1990. Lorraine Gangsei was present at the time of the site visit. Other investigations included a review of recorded water rights and water right claims, and an examination of area well logs.

The Gangsei property is located in northern Thurston County, near the end of the peninsula of Johnson Point. The surrounding area is lightly populated, with most of the land in small farms or lots.

A search of recorded water rights showed that the land currently owned by the Gangsei's is partially covered by Water Right Certificate No. G 2-00281 C. This certificate allows withdrawal of 55 gallons per minute for single domestic supply, irrigation of 7½ acres, and frost protection as needed, and is appurtenant to the SE¼ of the SW¼ of Sec. 4, T. 19 N., R. 1 W.W.M. Because the Gangsei's own a 10 acre portion of the land covered by the water right, and own the land on which the source is located, they should retain the right to single domestic supply and irrigation of 7½ acres, including frost protection.

The well in question was constructed in the 1960's, and completed at approximately 200 feet. A 5 hp submersible pump discharges to a 500 gallon storage tank which provides water to the house and irrigation system. The irrigation lines consist of 2 inch main lines, decreasing to 3/4 inch. Approximately 300 sprinklers (both impact and micro-sprinklers) are used. No well log exists for this well. The well head is at an elevation of approximately 180 feet above sea level, placing the bottom of the well below sea level. The well is located approximately 2,800 feet inland from Puget Sound. Because of the proximity of this well to salt water, it is recommended that the well be tested for chloride content periodically.

Water Right No. G2-00281 C was issued for irrigation of nursery stock in the amount of 17.0 inches per acre during the regular irrigation season of May 1 to October 1, and frost protection as needed. The Gangsei's contemplate no change in irrigation requirements, thus this permit should be issued for 17.0 inches per acre, for a total of 3.5 acre-feet for 2.5 acres during the regular irrigation season.

CONCLUSIONS

In accordance with Chapter 90.44 RCW, I find there is water available for appropriation from the source in question, that the appropriation is for a beneficial use, and will not impair existing rights or be detrimental to the public welfare.

RECOMMENDATIONS

I recommend approval of this application and issuance of a permit to allow appropriation of an additional 3.5 acre-feet from this well, with an increase in withdrawal rate to 100 gpm, to be issued as primary rights. The total amount of water withdrawn from this well under Water Right permit Nos. G2-00281 C and G2-27487, shall not exceed 11.0 acre-feet per year. The period of use shall be during the irrigation season from May 1 to October 1, each year.

The permit shall be subject to existing rights and the following provisions:

Installation and maintenance of an access port as described in Ground Water Bulletin No. 1 is required. An air line and gauge may be installed in addition to the access port.

Report Continued

This authorization to use public waters of the state is classified as Family Farm Permit in accordance with Chapter 90.66 RCW (Initiative Measure No. 59). This means the land being irrigated under this authorization shall comply with the following definition: Family Farm - a geographic area including not more than 2,000 acres of irrigated agricultural lands, whether contiguous or noncontiguous, the controlling interest in which is held by a person having a controlling interest in no more than 2,000 acres of irrigated agricultural lands in the State of Washington which are irrigated under water rights acquired after December 8, 1977. Furthermore, the land being irrigated under this authorization must continue to conform to the definition of a family farm.

The water user should understand that quantities recommended and the number of acres to be irrigated may be reduced at the time of issuance of a final water right commensurate with the capacity of the installed system and the number of acres actually irrigated.

A certificate of water right will not be issued until a final investigation is made.

When the chloride concentration exceeds 125 mg/L, the withdrawal rate shall be reduced or the pump setting raised to reduce the chloride level to below 125 mg/L.

All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104, Washington Water Well Construction Act of 1972, and Chapter 173-160 WAC, Minimum Standards for Construction and Maintenance of Wells.

The Water Resources Act of 1971 specifies certain criteria regarding utilization and management of the waters of the state in the best public interest. Favorable consideration of this application has been based on sufficient waters available, at least during portions of the year. However, it is pointed out to the applicant that this use of water may be subject to regulation at certain times, based on the necessity to maintain water quantities sufficient for preservation of the natural environment.

REPORTED BY: *[Signature]* DATE: March 6, 1991

The statutory fee for this permit is \$5.00.

Legal Description Continued

Beginning at the Southeast corner of said subdivision and running thence North $1^{\circ} 42' 32''$ East along the East line of said subdivision, 329.44 feet; thence North $88^{\circ} 22' 24''$ West 877.49 feet; thence North $1^{\circ} 42' 26''$ West 808.15 feet; thence North $88^{\circ} 15' 44''$ West 434.44 feet, more or less, to the West line of said subdivision; thence South $1^{\circ} 42' 26''$ West along said West line to the Southwest corner of said subdivision; thence South $88^{\circ} 22' 24''$ East 1311.92 feet, more or less, to the point of beginning. EXCEPT county road known as Johnson Point Road.

TOGETHER WITH AND SUBJECT TO a 20 foot wide easement for ingress, egress and utilities over, under and across a 20 foot wide strip, the centerline of which is described as that portion of the Southerly line of Parcel 1 of said short subdivision lying Easterly of Johnson Point Road.

Parcel #3 of Short Subdivision #SS1355 described as follows:

The Southerly 255 feet of the Northerly 748 feet of that portion of the Southeast quarter of the Southwest quarter of Sec. 4, T. 19 N., R. 1 W.W.M., described as follows:

Beginning at the Southeast corner of said subdivision and running thence North $1^{\circ} 42' 32''$ East along the East line of said subdivision, 329.44 feet, thence North $88^{\circ} 22' 24''$ West 877.49 feet; thence North $1^{\circ} 42' 26''$ West 808.15 feet; thence North $88^{\circ} 15' 44''$ West 434.44 feet more or less, to the West line of said subdivision; thence South $1^{\circ} 42' 26''$ West along said West line to the Southwest corner of said subdivision; thence South $88^{\circ} 22' 42''$ East 1311.92 feet, more or less, to the point of beginning. EXCEPTING THEREFROM the Westerly 262.44 feet.

TOGETHER WITH AND SUBJECT TO a 20 foot wide easement for ingress, egress, and utilities over, under and across a 20 foot wide strip, the centerline of which is described is that portion of the Southerly line of Parcel 1 of said short subdivision lying Easterly of Johnson Point Road.