

UST CLOSURE SITE ASSESSMENT AND INTERIM REMEDIAL ACTION REPORT

DeBock's Main Street Texaco Grandview, WA

Prepared For: Mr. Gary Christensen Powell Christensen, Inc. 501 East Main Street Grandview, WA 98930

MAY, 1995







INC.

P.O. BOX 477, 801 GRANDRIDGE ROAD, GRANDVIEW, WA 98930 TELEPHONE: (509) 882-1144 VOICE (509) 882-4566 FAX



WHITE SHIELD, INC.

P.O. BOX 477 • GRANDVIEW, WA 98930 • (509) 882-1144 FAX (509) 882-4566



May 2, 1995

Mr. Gary Christensen Powell-Christensen, Inc. 501 E. Main Grandview, WA 98930-0098

Re: UST Closure Site Assessment and Interim Remedial Action Report - De Bock's Main Street Texaco - 100 West Main Street, Grandview, WA 98930

Dear Mr. Christensen:

Enclosed, please find three copies of a UST closure site assessment and interim remedial action report for the above referenced site, as required by the Washington State Department of Ecology (WSDOE). Based on the data and findings reported here, further action is required for the remediation of this site.

The Washington State Department of Ecology (WSDOE) requires that you retain this report for a minimum of ten years. We recommend that you retain it indefinitely. A copy of the <u>Underground Storage Tank Site Assessment Checklist</u> must be submitted to the WSDOE. This form is included in Appendix D of the report.

White Shield, Inc. provided the UST decommissioning service at this site. A copy of the <u>Underground Storage Tank Permanent Closure/Site Assessment Notice</u> is included with this report for your signature. Please send a copy of the signed form to: WSDOE - P.O. Box 47655 - Olympia, WA 98504-47655.

We appreciate the opportunity to provide you with technical assistance for your UST closure. Please call us at (509) 882-1144 should you have any questions or need any additional information.

Sincerely,

WHITE SHIELD, INC

William J. Goggin, PE

Chief Design Engineer

stuart W. Fricke,

President

cc: Department of Ecology, Olympia Headquarters

Department of Ecology, Central Regional Office

TABLE OF CONTENTS

1.0	Introduction	
	1.1	Purpose
	1.2	Scope of Work
2.0	Background	Information
	2.1	Site Location
	2.2	Site Description and History
	2.3	Soils Description
3.0	Field Activit	ies
	3.1	General Investigative Methods
		3.1.1 Field Screening
		3.1.2 Soil Sampling
	3.2	Tank Removals
	3.3	Tank Inspection
	3.4	Initial Sampling/Site Assessment
4.0	Soil Analysis	Summary
5.0	Ground Wat	er & Well Logs 8
6.0	End Use of S	Soil
7.0		
	7.1 Summar	y 10
	7.2 Recomm	endations
8.0	Limitations	

LIST OF FIGURES

FIGURE 2- SITE PI	OCATION MAP 2 LAN 4 ING PLAN 5
LIST OF TABLES	
TABLE I: SOIL FII	ELD SCREENING & LABORATORY ANALYTICAL RESULTS 9
LIST OF APPENDI	CES
Appendix A:	Field Sampling Log
	Laboratory Reports and Chain of Custody
	Method A Cleanup Levels as established by the Model Toxics Control Act, Chapter 173-340 WAC
Appendix D:	Underground Storage Tank Site Check/Site Assessment Checklist
Appendix E:	Underground Storage Tank Temporary/Permanent Closure and Site Assessment Notice
Appendix F:	Table V. End Use Criteria for Petroleum Contaminated Soils
Appendix G:	Department of Ecology Well Logs
Appendix H:	Site Photographs
Appendix I:	Memo sent to WSI by R.E. Powell Distributing Co. Regarding Status of
	the 8000 Gallon UST

EXECUTIVE SUMMARY

White Shield, Inc. (WSI) provided UST Closure site assessment services during the removal of one 1000 gallon unleaded gasoline tank, one 5000 gallon leaded gasoline tank and one 8000 gallon unleaded gasoline tank. These three regulated underground storage tanks were located at 100 West Main Street, Grandview, Washington. The 8000 gallon tank and 5000 gallon tank were removed from a single excavation located behind De Bock's Main Street Texaco building. The 1000 gallon tank was located at the northwest corner of the building.

Gasoline was piped from the tanks to three fuel dispensers located in front of the Service Station. The product lines, partially located beneath the concrete floor slab, were purged and capped in place. The USTs and piping were in good condition.

Field screening of samples taken from the tank excavations indicated that there was no organic vapor concentrations exceeding MTCA method A cleanup levels present in the excavations. The laboratory analysis of the samples also indicated there is no petroleum contamination exceeding the MTCA Method A Cleanup Levels remaining in the excavations.

Gasoline contamination was detected within stockpile samples from the 1,000 gallon UST excavation. A small amount of overfill contamination was suspected. This stockpiled soil was transported to Lower Valley Remediation Service for disposal. Field screening of three soil samples collected beneath the fuel dispensers from a depth of 3' revealed gasoline contamination above MTCA cleanup level. A test pit was excavated beneath the fuel dispensers to a depth of 14.5 feet on March 29, 1995. The soil samples at 14.5 feet contained higher concentrations of petroleum than those collected from 3' depth. The test pit was temporarily backfilled until a remediation strategy is chosen. No further remedial activities were undertaken.

1.0 Introduction

1.1 Purpose

This report describes findings and actions taken for work associated with the closure of three regulated Underground Storage Tanks (UST's) including the fuel transfer and dispensing system. The UST system was located at 100 West Main Street, Grandview, Washington.

1.2 Scope of Work

White Shield, Inc. (WSI) provided closure site assessment and decommissioning services for the removal of one 1000 gallon, one 5000 gallon and one 8000 gallon gasoline UST. Alba's Excavating Inc. of Grandview, WA removed the USTs from the site. The 8,000 gallon tank was sold to Larry Lodges for farm use.(Refer to Appendix I). R.E. Powell Distributing Co. intends to use the other two tanks for fuel storage. They have been purged and capped for temporary storage at 501 E. Main St., Grandview, Washington.

The initial site assessment services provided by WSI technicians included 15 Organic Vapor Analyzer field screening tests for volatile components. A total of 18 samples were sent to the laboratory for analysis. Refer to Appendix B, Laboratory Reports and Chain of Custody. OnSite Environmental, Inc. (OnSite), Redmond, Washington, provided the laboratory analytical services.

This report completes the closure site assessment services provided by White Shield, Inc.

2.0 Background Information

2.1 Site Location

The site is located at the southwest quadrant of the Division Street/West Main Street intersection in Grandview, Washington. The site is described as the NW1/4, NE1/4, Section 23, T9N, R23E, W.M. Refer to Figure 1, Site Location Map.

2.2 Site Description and History

De Bocks Main Street Texaco is located at the southwest corner of West Main Street and Division Street. The offices of Kimbrough Realty and Bleyhl Farm Services are located in the northeast quadrant of E. Main Street and Division Street. Express Lube and Detail and Anderson Motors' car lot are located across E. Main Street to the north. The Sports Center Bar and M & J Tavern are to the east and west of the subject site respectively. The Grandview Market, Grandview Herald, and 88 ¢ Store are located to the east across Division Street. VFW Post 6929 is located across an alley and a parking lot to the south of the subject site. Refer to Figure 2, Site Plan.

One 1000 gallon UST was located at the northwest corner of The Service Station Building. One 5000 gallon UST and one 8000 gallon UST were located to the south of the building. Refer to Figure 3, Sampling Plan. The tanks were approximately 22 years old.

The USTs are described as follows:

Tank Code	WSDOE UST Site number	Contents	Volume (gallons)
1	000956	Unleaded Gasoline	1000
1	000956	Leaded Gasoline	5000
1	000956	Unleaded Gasoline	8000

2.3 Soils Description

The soil consists of inorganic silts, very fine sands and inorganic clays of low to medium plasticity (ML-CL). A fine sandy silt layer was encountered from the depth of 9 feet to 14.5 feet.



P.O. BOX 477, 801 GRANDRIDGE ROAD, GRANDVIEW, WA 98930 TELEPHONE: (509) 882-1144 VOICE (509) 882-4566 FAX

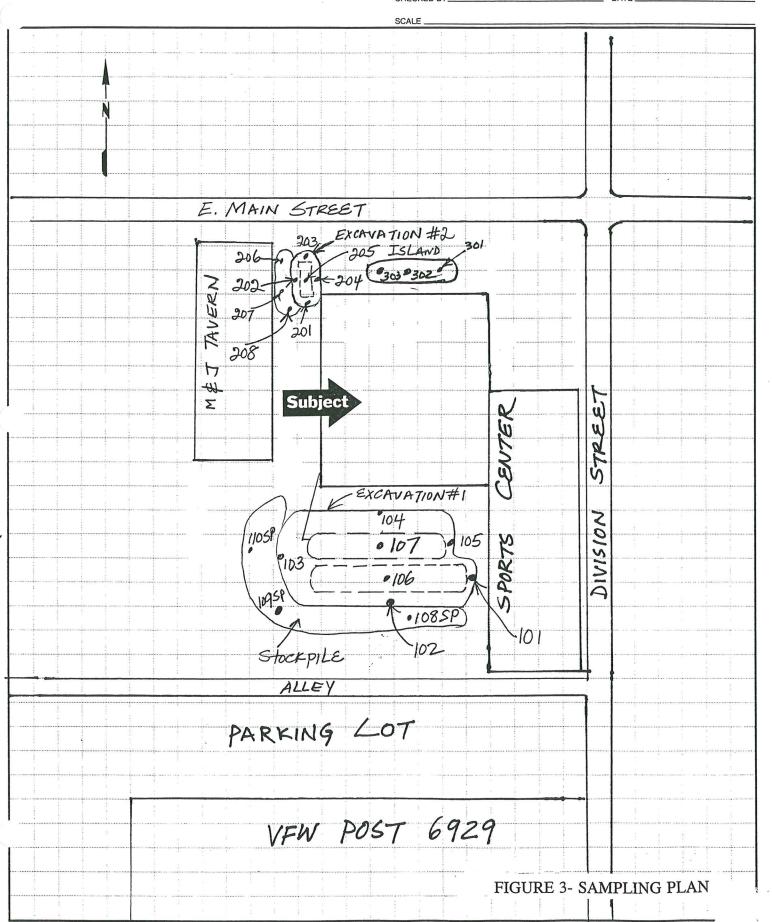
JOB_REP-1295	
SHEET NO.	OF
CALCULATED BY	DATE

		- - 	SCALE	NTS EXPRESS		DATE
N F.	ANDERSO MOTORS MAIN STR	N		LUBE DETAIL		KIMBROUGH REALTY
	M'S CYCLE SERVICE		SITE			GRANVIEW MARKET
	GERVICE	Keous	M& J TAVERN	SPORTS		GRANDVIEW HERALD
				CS		88 ¢ STORE
			411EY		4	IOWA BLDG
		Park	ing Lot			
			VFW 6929	2057	1 STREET	
					DIVISION	
				FIGURE 2		TE DI ANI



P.O. BOX 477, 801 GRANDRIDGE ROAD, GRANDVIEW, WA 98930 TELEPHONE: (509) 882-1144 VOICE (509) 882-4568 FAX

JOB_ REP-1295	_
SHEET NO.	OF
CALCULATED BY	DATE
CHECKED BY	DATE



3.0 Field Activities

3.1 General Investigative Methods

We visually inspected the USTs and the soil surrounding the tanks. We also used field screening, analytical laboratory analyses and interviews for data. The methods and general conclusions are discussed below.

3.1.1 Field Screening

For field analysis of semi-volatile (diesel) and non-volatile compounds (motor oil), WSI uses Thin Layer Chromatography (TLC) for qualitative and quantitative analysis. This analytical technique utilizes the principle of chromatography to separate individual components for comparison to known standards.

TLC is classified as a solid-liquid chromatographic system, meaning there are two phases through which an extract of the sample is passed; a solid phase (silica gel) and a liquid phase (a solvent such as hexane).

The solid phase is stationary and is coated on a glass plate. During the chromatography process, the liquid phase carries the sample through the solid phase. The solvent moves at a fairly constant rate through the solid phase. However, the compound in the sample (analyte) are partitioned by a relative attractiveness of the analyte between the solid phase and the liquid phase. Analytes strongly attracted to the silica will remain on the silica longer and move more slowly than analytes that are not as strongly attracted to the silica. When the chromatography is stopped, the distance the analyte has moved relative to the distance the solvent has moved is used to identify the compound. When the plate is viewed under ultraviolet light, the analytes can be seen and compared to standards of known concentration for quantitative analysis.

3.1.2 Soil Sampling

The Sampling Plan (refer to Figure 3) and the attached Field Sampling Log (Appendix A) show the location, depth and types of samples taken. In general, sample collection and control followed the following protocol:

- 1. Select a laboratory certified clean sample jar for sample collection.
- 2. Using clean latex gloves and clean sampling utensils (Alconox Detergent, chlorine solution, tap water rinse and distilled water rinse cycle) tightly pack the soil sample in the sample jar (8 oz.)

to the top of the jar to prevent any airspace. Collect co-located samples using the same procedure.

- 3. Label the jar with the soil sample number, the type of laboratory test required, the date, name of site and sampler. The sample is then entered on the chain of custody form.
- 4. Cool the sample in wet ice to approximately 4 degrees centigrade.
- 5. Repack the samples for shipment to the laboratory in blue ice and a cooler.
- 6. Relinquish sample to courier for shipment to the laboratory.

3.2 Tank Removals

Hari Sharma and William Goggin, site assessors registered with the Washington State Department of Ecology Underground Storage Tank Program provided the site assessment and decommissioning services on March 13 and March 14, 1995. The pipelines beneath the building and concrete paving were capped after purging and left in place.

The main UST excavation, hereafter referred to as excavation #1, was located to the south of the building. One 5000 gallon tank and one 8000 gallon tank were removed from excavation #1. The excavation measured approximately 30' x 30' x 11' in depth.

The excavation for the removal of 1000 gallon tank, hereafter referred to as excavation #2, measured approximately 15 feet x 10 feet x 10 feet deep. It was located at the northwest corner of the building. The soil in the excavation appeared clean and had no smell of petroleum. The stockpiled soil that was taken from the top of the tank exhibited signs of limited petroleum contamination.

3.3 Tank Inspection

We removed attached soil and scale to completely expose the tanks and carefully examined their condition. The 1000 gallon tank still had red paint on it and it was in good condition, with little evidence of corrosion and pitting. The tank measured 3'9" in diameter and 12' in length.

The 5000 gallon tank had minor corrosion on the bottom, but the rest still had the original paint. The tank was 7'10" in diameter and 14'4" long. Refer to Photograph 5, Condition of 5000 gallon tank.

Underground Storage Tanks Closure Site Assessment Report Grandview Texaco

The 8000 gallon tank was in good condition with little evidence of corrosion or pitting. The tank measured 7'10" in diameter and 22' in length. Refer to Photograph 6, for the condition of the 8,000 gallon tank.

3.4 Initial Sampling/Site Assessment

Twelve soil samples were collected on March 14, 1995 from the UST excavations for organic vapor analyzer (OVA) field screening and laboratory analysis. Sample REP-0194-101 through 107 were collected from Excavation #1. Samples REP-0195-201 through 205 were collected from excavation #2. Refer to Figure 3, Sampling Plan and Table I for the sample location, depth and test results. None of the samples from the excavations contained detectable levels of gasoline contamination.

Sample REP-1295-108sp through 110sp were collected from stockpile of material excavated from excavation #1. None of the samples exhibited any significant gasoline contamination as determined by WTPH-G.

Samples REP-1295-206sp through 208sp were collected from the stockpile of material excavated from excavation #2. The analytical result of REP-1295-206sp/207sp revealed 1600 parts per million (ppm) gasoline contamination. Gasoline contamination was not detected in the sample REP-1295-208sp.

4.0 Soil Analysis Summary

The field screening and the laboratory analytical results are summarized in Table I. The Field Sampling Log is included as Appendix A, and the laboratory analytical report, as Appendix B.

5.0 Ground Water & Well Logs

Groundwater was not intersected on this site. Monitoring well information is presented in Appendix G. The well logs indicate static water level from 5.5 feet to 45 feet in Grandview area.

TABLE I: SOIL FIELD SCREENING & LABORATORY ANALYTICAL RESULTS

NT = Not Tested

nd = Not Detected

LOCATION	DEPTH	SAMPLE #	DATE	OVA ppm	WTPH-G ppm
South Wall	6.5 feet	REP-1295-201	3/14/95	nd	
West Wall	6.5 feet	REP-1295-202	3/14/95	nd	nd
North Wall	6.5 feet	REP-1295-203	3/14/95	nd	nd
East Wall	6.5 feet	REP-1295-204	3/14/95	nd	nd
Bottom	9 feet	REP-1295-205	3/14/95	nd	nd
East Wall (8000 gal.)	7.5 feet	REP-1295-101	3/14/95	nd	nd
South Wall	7.5 feet	REP-1295-102	3/14/95	nd	nd
West Wall	7.5 feet	REP-1295-103	3/14/95	nd	nd
North wall	7.5 feet	REP-1295-104	3/14/95	nd	nd
East Wall (5000 gal.)	7.5 feet	REP-1295-105	3/14/95	nd	nd
Bottom (8000 gal.)	12.5 feet	REP-1295-106	3/14/95	nd	nd
Bottom (5000 gal.)	12.5	REP-1295-107	3/14/95	nd	nd
Stockpile	2'	REP-1295-206sp/207sp	3/15/95	NT	1600
Stockpile	2'	REP-1295-208sp	3/15/95	NT	nd
Stockpile	2'	REP-1295-108sp/109sp	3/15/95	NT	15
Stockpile	2'	REP-1295-110sp	3/15/95	NT	nd
Dispenser Island	2.5'	REP-1295-301	3/21/95	>1000 ppm	NT
Dispenser Island	2.5'	REP-1295-302	3/21/95	>1000 ppm	NT
Dispenser Island	2.5'	REP-1295-303	3/21/95	>1000 ppm	NT

6.0 End Use of Soil

WSI finds no evidence of petroleum contamination in excess of the Method A Cleanup Levels as established by the Model Toxics Control Act (WAC 173-340-720) in the sidewalls or bottom of both of the tank excavations. The soil from excavation #1 was used to backfill the excavation. The stockpile of soil removed from excavation #2 contained gasoline contamination. The soil was transported to Lower Valley Remediation Service in Mabton, WA for treatment and disposal. Refer to Appendix F, Table V, End Use Criteria For Petroleum Contaminated Soils.

7.0 Conclusion

7.1 Summary

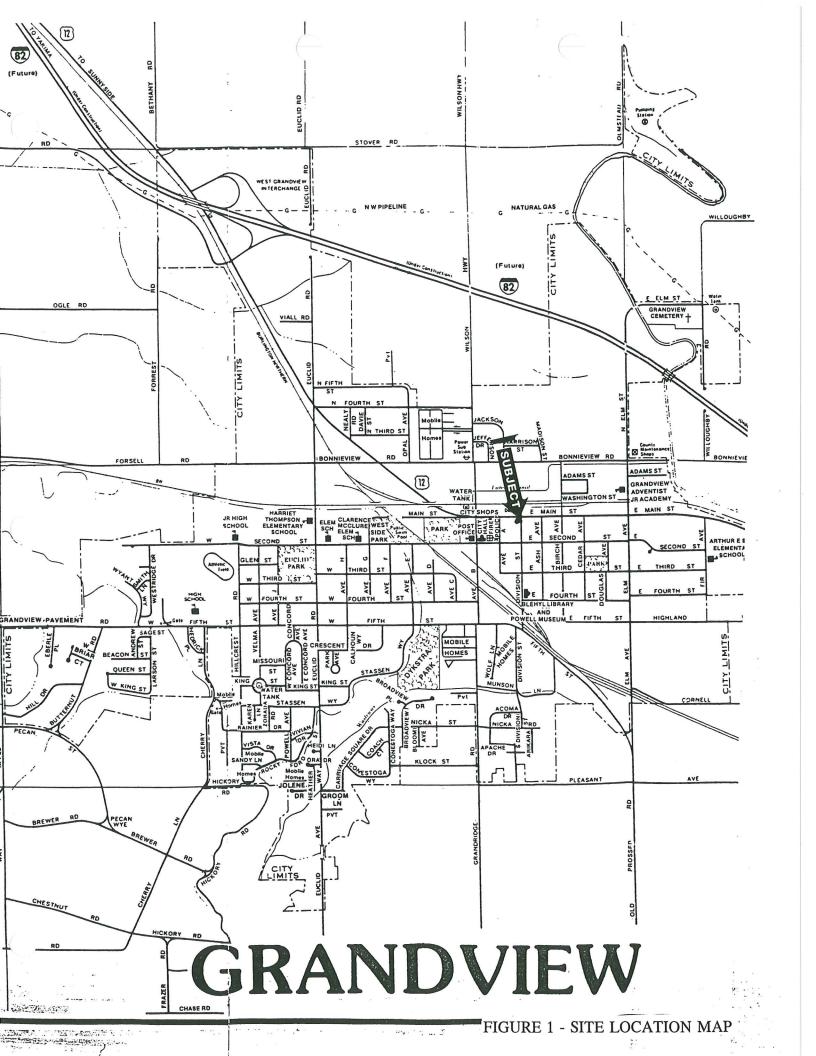
WSI finds no evidence of petroleum contamination in excess of the Cleanup Levels as established by the Model Toxics Control Act (WAC 173-340-720) remaining in the USTs excavations. However, there are high concentrations of petroleum contamination remaining in the soil beneath the former fuel dispensers.

7.2 Recommendations

The remaining petroleum contamination must be characterized to determine the horizontal and vertical extent and degree of contamination. Soil borings with continuous sampling down to and including groundwater are recommended, starting at the known contaminated areas and working outward until no contamination is found. Monitoring wells upstream, downstream and within the contamination plume may be required if groundwater has been impacted. Insitu remediation is recommended for soil and groundwater treatment since many areas of contamination will not be easily or economically accessible by direct excavation. A remediation strategy can be developed as soon as the data from the characterization study is available.

8.0 Limitations

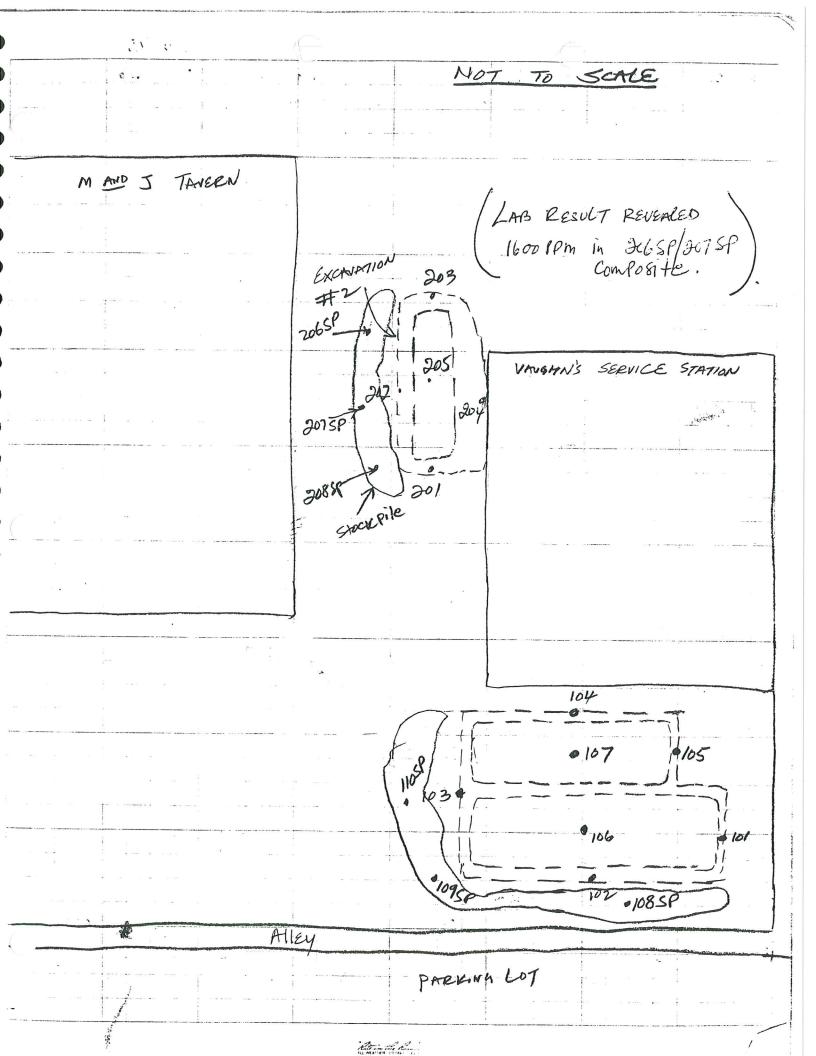
In performing our professional services, WSI uses a degree of care ordinarily exercised under similar circumstances by members of our profession. No warranty, expressed or implied, is made or intended. Our conclusions and recommendations, developed from our field and laboratory investigation reported herein, are based upon this firm's understanding of the project and are in concurrence with generally accepted practice.



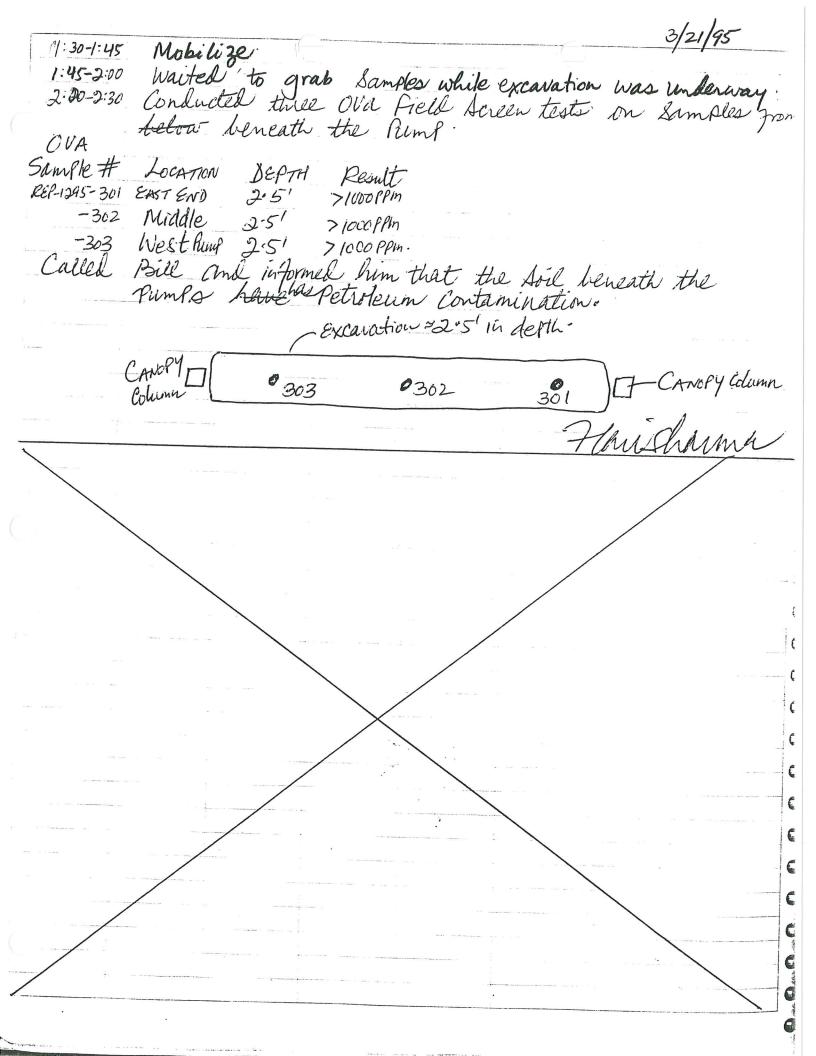
APPENDIX A

3/13/95 REP-1295 Made Calls to Cascade Fire equipment, Inland Ice and to get dry ice. 8:00 E to 8:30 E Mobilized. 30 to I 8:45 8.45 10 Travelled to Kennewick for dry ice. 11:00 Filled dry ice in the 8,000 and 5,000 gallow 1:00 to E 12:40 excavating around the tantes. 1:00 to E 2:10 (E Started Pulling 8000 Gallan tance out of the ground. Ruled out 8000 Gallan tunce. Red Parent on Ends. Mingr vusting on the sides It is in good Condition. 3:20 3:45 I 5:00 LEFT SITE I SITE LOCATION: SW QUADRANT OF AWISION STIZEST AND I HAY 12 INTERSECTION. I GEANDUIEN HERALD, 88¢ StOVE, IOWA Building - Across I DWISION -St. VFW POST 6929 to the South Across the alley I AND PARKING Lot. SPORTS CENTER BAR AND MA J BAR, To the 1 EAST AND WEST OF THE SITE RESPECTIVELY. EXPRESS LIBE AND DETAIL, ANDERSON MOTORS AND A CHURCH E Block TO THE WEST ACROSS AVENUE A - Anderson's used Cars, (2 CITY OF GRANDVIEW, FIRE STATION, YAKIMA COUNTY H FIRE DIST #5, 7 Eleven: USED CAR LOT TO THE NORTH OF TELEVEN. E. SAM'S - Cycle SERVICE - Motor cycles, Snow mobiles GRANDVIEW MARKET IN THE SE QUADRANT AND Kimbrough Realtors in the NE Quadrant E PU F

10:20 ARRIVED AT T - SITE ALBA EXCAVAT. I IS REMOVING CONCRETE SLAB ON 1000 GALLON TANK. 10:20 Excavitil Soil to 12:40 12:40 to Pulled the tank out. 12:10 TANK APPEARS TO BE IN GOOD CONSITION. NO CORROSSION OR PITTING, RED PAINT STILL ON IT. Dimension of TANK: 3'9" in diamete CAPPED THE PRODUCT SUPPLY LINE. CUT ElecTRICAC CONDUIT THAT WAS PROBABLY USED FOR SIGN. DIMENSION OF EXCAVATION 161/X 61. SAMPLET Depth LOCATION FEP-1295-201 OVA 6.5' South wall NY 202 ND 203 6/2 6/2 N. Wall NO 204 ND 205 7.5' E. Well (8020) 9' ND 10) ND 7.5' 5. WALL 8000 GAllon TANK. 102 ND 7-5' W. WALL 103 ND 104 7.51 N. WALL ND 105 E. WHEL (\$000) 7.51 A total of three tanks were extricated of which two were well in execution t and one 1000 gallon fame in Pulled out so sa Gallon, tance at 3:45 Pm. · Ø= 7'10" Length = 14'4". TANK HAS MINOR CORROSSION ON THE BOTTOM. NO HOLES WERE NOTICED. NO BACKFIN IN THE EXCHVATION- TANKS WERE C PLACED IN NATIVE SOIL. Sample Depth Location OVA
REP-1295-106 12:5' Bottom (500) ND
107 12:5' Bottom (500) ND C Œ 8000 GAllon TANK Botom (5000) ND Œ 5000 Gallon TANK (T



10:00 LEFT OFFICE 10:10 INFORMED GARY THAT THE PUMP ISLAND CONCRETE MAKES IT DIFFICULT TO SAMPLE UNDER THE FUMP AND ASKED HIS PERMISSION TO REMOVE 17. JOHN ACBA TOLD ME THAT HE WON'T BE ABLE TO REMOVE THE CONCRETE TILL FRIDAY (3/17/95) 10:20 SAMPLED STOCKPILES - 3 Sets of Samples to 11:10 from Each Stockfile. SAMPLE LOCATION Per-1295-2068 Stockfile & Excavation #2 -208SF STOCKPILE KEP-1295-10858 STOCKPILE Excavation #1. -109SP Stockfile -110SP Stockpile I ASKED ALBA TO Blow Compressed air through the product piping prior to capping them. Harishayma. Total Time Spent on site 1.5 hours. PACKAGING, CHAIN OF Custody, Call to Pony express = 0.75hr. 1 E E C



left office. Reached sandy layer at 9' depth. It has high concentration of petroleum froduct. High concentration of Petroleum detected at 14.5'. Closed the site Back Filled the excavation and lovered the top with phywrod. 2:10

APPENDIX B

March 20, 1995 Lab Traveler #:03-038

Terry Miller White Shield, Inc. P.O. Box 477 Grandview, WA 98930

Dear Terry:

Enclosed are the results of the analyses of samples submitted on March 16, 1995 from Project REP-1295.

We appreciate this opportunity to be of service to you on this project. If you have any questions regarding this report, please feel free to call me.

1.

Sincerely,

Karl P. Hornyik Project Chemist

Enclosures

2

Date of Report: March 20, 1995 Samples Submitted: March 16, 1995 Lab Traveler: 03-038 Project: REP-1295

EPA 8020 & WTPH-G

Date Extracted:

3-16-95

Date Analyzed:

3-16-95

Matrix: Soil

Units: mg/Kg (ppm)

Lab ID	03-038-1/2	03-038-3/4	03-038-5	03-038-6/7	
Client ID	REP-1295-201 / 202 COMP	REP-1295-203 / 204 COMP	REP-1295-206	REP-1295-101 / 102 COMP	Method PQL
Dilution Factor	50	50	50	50	
Benzene	ND	ND	ND	ND	.001
Toluene	ND	ND	ND	ND	.001
Ethyl Benzene	ND	ND	ND	ND	.001
m,p-Xylene	ND	ND	ND	ND	.001
o-Xylene	ND	ND	ND	ND	.001
TPH-Gas	ND	ND	ND	ND	.100
4-BFB Surrogate Recovery	83%	85%	83%	84%	

Note: Sample PQL(practical quantitation limit)= Method PQL x dilution factor

3

Date of Report: March 20, 1995 Samples Submitted: March 16, 1995 Lab Traveler: 03-038 Project: REP-1295

EPA 8020 & WTPH-G

Date Extracted:

3-16-95

Date Analyzed:

3-16-95

Matrix: Soil

Units: mg/Kg (ppm)

Lab ID	03-038-8/9	03-038-10	03-038-11	03-038-12	
Client ID	REP-1295-103 / 104 COMP	REP-1295-105	REP-1295-106	REP-1296-107	Method PQL
Dilution Factor	50	50	50	50	
Benzene	ND	ND	ND	ND	.001
Toluene	ND ,	ND.	ND	ND	.001
Ethyl Benzene	ND	ND	ND	ND	.001
m,p-Xylene	ND	ND	ND	ND	.001
o-Xylene	ND	ND	ND	ND	.001
TPH-Gas	ND	ND	ND	ND	.100
4-BFB Surrogate Recovery	83%	84%	84%	76%	
,	2370	2 170	2 1 70		

Note: Sample PQL(practical quantitation limit)= Method PQL x dilution factor

Date of Report: March 20, 1995 Samples Submitted: March 16, 1995 Lab/Traveler: 03-038 Project: REP-1295

EPA 8020 & WTPH-G

Date Extracted:

3-16-95

Date Analyzed:

3-16-95

Matrix: Soil

Units: mg/Kg (ppm)

Lab ID	03-038-13/14	03-038-15	03-038-16/17	03-038-18	
Client ID	REP-1295- 206SP / 207SP COMP	REP-1295- 208SP	REP-1295- 108SP / 109SP	REP-1295- 110SP	Method PQL
Dilution Factor	250	50	50	50	
Benzene	ND	ND	ND	ND	.001
Toluene	ND	ND	ND	ND	.001
Ethyl Benzene	1.4	ND	ND	ND	.001
m,p-Xylene	15	ND	ND	ND	.001
o-Xylene	21	ND	ND	ND	.001
TPH-Gas	1600	ND	15	ND	.100
4-BFB Surrogate Recovery	, s	85%	79%	85%	
4-BFB			į		.100

Note: Sample PQL(practical quantitation limit)= Method PQL x dilution factor

S-Surrogate recovery data not available due to the necessary dilution of the sample.

Date of Report: March 20, 1995 Samples Submitted: March 16, 1995

Lab Traveler: 03-038 Project: REP-1295

EPA 8020 & WTPH-G QUALITY CONTROL

Date Extracted:

3-16-95

Date Analyzed:

3-16-95

Matrix: Soil

Units: mg/Kg (ppm)

Lab ID	MB0316S-1	03-038-5	03-038-5	
	Blank	Original	Duplicate	RPD
Dilution Factor	² 50	50	50	
Benzene	ND	ND	ND	NA
Toluene	ND	ND	ND	NA
Ethyl Benzene	, ND	ND	ND	NA
m,p-Xylene	ND	ND	ND	NA
o-Xylene	ND	ND	ND	NA
TPH-Gas	ND	ND ,	ND	NA
4-BFB Surrogate Recovery	93%	83%	84%	

6

Date of Report: March 20, 1995 Samples Submitted: March 16, 1995

Lab Traveler: 03-038 Project: REP-1295

EPA 8020 & WTPH-G QUALITY CONTROL

Date Extracted:

3-16-95

Date Analyzed:

3-16-95

Matrix: Soil

Units: mg/Kg (ppm)

Lab ID	03-038-5		03-038-5		
spiked @ 1 ppm	MS	Percent	MSD	Percent	
Dilution Factor	50	Recovery	50	Recovery	RPD
Benzene	0.890	89%	0.915	92%	2.8
Toluene	0.970	97%	0.990	99%	2.0
Ethyl Benzene	0.890	89%	0.915	92%	2.8
m,p-Xylene	0.900	90%	0.930	93%	3.3
o-Xylene	0.890	89%	0.915	92%	2.8

4-BFB

Surrogate Recovery 84%

84%

Date of Report: March 20, 1995 Samples Submitted: March 16, 1995 Lab Traveler: 03-038 Project: REP-1295

Date Analyzed: 3-16-95

% MOISTURE

Client ID	% Moisture
REP-1295-201/REP-1295-202	15
REP-1295-203/REP-1295-204	14
REP-1295-205	15
REP-1295-101/REP-1295-102	15
REP-1295-103/REP-12-5-104	15
REP-1295-105	15
REP-1295-106	15
REP-1295-107	19
REP-1295-206SP/REP-1295-207SP	12
REP-1295-208SP	12
REP-1295-108SP/REP-1295-109SP	15
REP-1295-110SP	14

APPENDIX C

Method A Cleanup Levels - Soil *

Hazardous Substance	CAS Number	Cleanup Level
Arsenic	7440-38-2	20.0 mg/kg b
Benzene	71-43-2	0.5 mg/kg °
Cadmium	7440-43-9	2.0 mg/kg d
Chromium	7440-47-3	100.0 mg/kg •
DDT	50-29-3	1.0 mg/kg f
Ethylbenzene	100-41-4	20.0 mg/kg 8
Ethylene dibromide	106-93-4	0.001 mg/kg h
Lead	7439-92-1	250.0 mg/kg ¹
Lindane	58-89-9	1.0 mg/kg j
Methylene chloride	75-09-2	0.5 mg/kg k
Mercury (inorganic)	7439-97-6	1.0 mg/kg ¹
PAHs (carcinogenic)		1.0 mg/kg m
PCB Mixtures		1.0 mg/kg n
Tetrachloroethylene	127-18-4	0.5 mg/kg °
Toluene	108-88-3	40.0 mg/kg P
TPH (gasoline)		100.0 mg/kg q
TPH (diesel)		200.0 mg/kg ^r
TPH (other)		200.0 mg/kg s
the second of th	71-55-6	20.0 mg/kg t
Trichloroethylene	79-01-5	0.5 mg/kg ^u
Xylenes	1330-20-7	20.0 mg/kg v

APPENDIX D



UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

	ī	fice Use Only	
Owner #			
Site #			

$\mathbf{n}_{\mathbf{A}}$	CI	0	и і		a 7		N	T-Q-T
			91	100		-	, A	Pro 100

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with the Department of Ecology. The results of the site check or site assessment must be included with this checklist. This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

<u>SITE INFORMATION</u>: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all the tanks for which the site check and site assessment is being conducted. Use the tank ID number if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

<u>SITE ASSESSOR INFORMATION:</u> This form must be signed by the registered site assessor who is responsible for conducting the site check/ site assessment.

Underground Storage Tank Section Department of Ecology P. O. Box 47655 Olympia, WA 98504-7655

SITE INFORMATION Site ID Number (on invoice or available from	Ecology if the tanks are	registered): <u>000.956</u>			
Site/Business Name: VAVGHN'S SE	ERVICE STATION	TEXACO.			
Site Address: 100 WEST MAIN STR	EET_Telephone:(_	5091 882-2115			
CARANDVIEW Street	WA	98930			
City	State	ZIP-Code			
TANK INFORMATION					
Tank ID No. Tar	k Capacity	Substance Stored			
	,000	Unleaded Gasoline			
5	, 000	Leaded Gasoline			
	,000	Unleaded Gasoline			
	i lea				
REASON FOR CONDUCTING SITE CHEC	VISITE ASSESSMENT				
Check one:					
Investigate suspected release d		Section 19			
Investigate suspected release due to off-site environmental contamination.					
Extend temporary closure of UST system for more than 12 months. UST system undergoing change-in-service.					
UST system permanently closed-in-place.					
UST system permanently closed with tank removed.					
Abandoned tank containing product.					
Required by Ecology or delegated agency for UST system closed before 12/22/88. Other (describe):					

Each ite	KLIST em of the following checklist shall be initialed by the person registered with the Department of E	Cology	,			
whose s	rignature appears below.	YES	NO			
1.	The location of the UST site is shown on the vicinity map.	Ms	_			
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	HS				
3.	A summary of UST system data is provided. (see Section 3.1)					
4.	The soils characteristics at the UST site are described. (see Section 5.2)					
5.	Is there apparent groundwater in the tank excavation?		HS			
6.	A brief description of the surrounding land is provided. (see Section 3.1)	HS				
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	HS				
8.	A sketch or sketches showing the following items is provided:					
-	- location and ID number for all field samples collected	HS				
	- groundwater samples distinguished from soil samples (if applicable)	N	4			
-	- samples collected from stockpiled excavated soil	HS				
-	tank and piping locations and limits of excavation pit	HS	\sqcup			
	- adjacent structures and streets	HS				
	- approximate locations of any on-site and nearby utilities	HS				
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	NA				
10.	A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	HS				
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	â	HS			
12.	The results of this site check/site assessment indicate that a confirmed release of regulated substance has occured.	H	, '5			
SITE	ASSESSOR INFORMATION HariSharma White Shield	2,7	ac			
	PERSON REGISTERED WITH ECOLOGY NESS ADDRESS: 801 GRAWDRIDGE ROAD TELEPHONE: 509, 882	тн . <i>-115</i>	4			
BUSIN	GRANNIEW WA 7893	0				
I he	CITY STATE ZIP+CODE ereby certify that I have been in responsible charge of performing the site check/site assess cribed above. Persons submitting false information are subject to penalties under Chapter	ment 173-3	360			
WA	AU195 Harry Man					
	Signature of Person Registered with E	cology				

Date

APPENDIX E

UNDERGROUP STORAGE TANK TEMPORARY/PERMANENT CLOSURE

I	Office Use Only
Owner #	
Site #	

	and SITE ASSES	SMENT NOTICE	Owner #	
BASHIRGIAN STATE	See back of form	n for instructions	C:+- #	
E C O L O G Y	Please V the a	appropriate box(es)	Site #	
	Please type or print in	formation		
	Temporary Tank Closure	Permanent Tank Closure	Change-In- Service	Site Assessment/ Site Check
CITE INFORMA		Tank Clobale	ocivice	one check
SITE INFORMA			0009	56
	voice or available from E	cology if the tanks are regis	stered): 000 93	1 2 2
Site/Business Name:	VAUGITIU'S	SERVICE ST.		
Site Address:) W. MAIN	STREE!	Telephone:	()
	City			
TANK INCODIA			State	ZIP-Code
TANK INFORMA	Closure Date	Tank Capacity	Substance Stored	CONTAMINATION
I	3/13/92	5 8000	Unleaded Gaso	PRESENT AT THE TIME OF CLOSURE
1	2/11/195	5,000	. 1 1 4	
	0/14/13		Leaded Gasoline	
	3/14/95	1,000	Unleaded Gasoline	Yes No

	•			Unknown
		N =		Check unknown if no obvious contamination was
	. V			observed and sample
				results have not yet been
				received from analytical lab.
LICT CYCTEM C	NAMED OBERATO			received from analytical lab.
UST SYSTEM C	OWNER/OPERATO	R: CHEISTENSEN		received from analytical lab.
UST Owner/Operator: _	WNER/OPERATO	CHRISTENSEN	, INC.	
UST Owner/Operator:	powell -	CHRISTENSEN	1 INC - 882 - 3	received from analytical lab.
UST Owner/Operator: _	POWELL -	CHILIS TENSEN Teleph	P.O. Box	
UST Owner/Operator:	powell -	CHILIS TENSEN Teleph	P.O. Box WA	19930
UST Owner/Operator: Owners Signature: Address:50/	POWELL -	CHRISTENSEN Teleph	P.O. Box WA State	
UST Owner/Operator: Owners Signature: Address:50/	POWELL -	CHILIS TENSEN Teleph EU RVICE PERFORMED	P.O. Box WA State	18930
Owners Signature:	POWELL -	CHRISTENSEN Teleph	P.O. Box WA State	2/15 AB930 ZIP-Code
UST Owner/Operator: Owners Signature: Address: TANK CLOSUR Service Provider:	POWELL - POWELL - Street GRANDVIE City E/CHANGE-IN-SE	Teleph EW RVICE PERFORMED CANATING IN	P.O. Box WA State DBY: C-License Number: 20	2/15 AB930 ZIP-Code
Owners Signature:	E. MAIN Street GRANDVIE City E/CHANGE-IN-SE HUIRM A FRO	CHILIS TENSEN Teleph EU RVICE PERFORMED	P.O. Box WA State DBY: C. License Number:	2/15 AB930 ZIP-Code
Owners Signature:	E. MAIN Street GRANDVIE City E/CHANGE-IN-SE HUIRM A FRO	Teleph EW RVICE PERFORMED CAVATING IN GGIN, P. E	P.O. Box WA State DBY: C-License Number: 20	2/15 AB930 ZIP-Code
Owners Signature:	POWELL - LE. MAIN Street GRANDVIE City E/CHANGE-IN-SE ALBA EX INUITAM ASSOCIATION Street GRAND RIDGE Street	Teleph EW RVICE PERFORMED CAVATING IN GGIN, P.E	P.O. Box WA State DBY: C-License Number: 20	2/15 AB930 ZIP-Cook 1027 001863
Owners Signature:	E. MAIN GRANDVIE City E/CHANGE-IN-SE ALBA EX JILIAM ALBO Street GRANDVIE GRANDVIE GRANDVIE GRANDVIE GRANDVIE	Teleph EW RVICE PERFORMED CAVATING IN GGIN, P.E	P.O. Box WA State Decommissioning License Number: P.O. Box WA P.O. Box WA State	2/15 AB930 ZIP-Cooe 1027 201863
Owners Signature:	POWELL - Street GRANDVIE City E/CHANGE-IN-SE ALBA EX ILLIAM STATE GRANDRIBGE GRANDVIE G	Teleph EW RVICE PERFORMED CAVATING IN GGIN, P.E	P.O. Box WA State DBY: Decommissioning License Number: W (W (W (W (W (W (W (W	2/15 AB930 ZIP-Cook 1027 001863
UST Owner/Operator:Owners Signature:Address:SO/_ TANK CLOSUR Service Provider: Licensed Supervisor: Supervisors Signature Address:SO/ Telephone: (501)	POWELL - Street GRANDVIE City E/CHANGE-IN-SE ALBA EX JULIAM STAGO GRANDVIE	Teleph EW RVICE PERFORMED CAVATING IN GGIN, P.E ROAD	P.O. Box WA State Decommissioning License Number: P.O. Box WA P.O. Box WA State	2/15 AB930 ZIP-Cooe 1027 201863
UST Owner/Operator:Owners Signature:Address:	FONELL - Street GRANDVIE City E/CHANGE-IN-SE ALBA EX JILLIAM TIGO GRANDVIE GRANDVIE GRANDVIE GRANDVIE GRANDVIE TE ASSESSMENT	Teleph EW RVICE PERFORMED CAVATING IN GGIN, P. E ROAD EW CONDUCTED BY:	P.O. Box WA State Decommissioning License Number: P.O. Box WA P.O. Box WA State	2/15 AB930 ZIP-Cooe 1027 201863
Owners Signature: Address: Service Provider: Licensed Supervisor: Supervisors Signature Address: Telephone: SITE CHECK/SI Name of Registered Site	FONELL - Street GRANDVIE City E/CHANGE-IN-SE ALBA EX JILLIAM TIGO GRANDVIE GRANDVIE GRANDVIE GRANDVIE GRANDVIE TE ASSESSMENT	Teleph EW RVICE PERFORMED CAVATING IN GGIN, P.E ROAD	P.O. Box WA State Decommissioning License Number: P.O. Box WA P.O. Box WA State	2/15 AB930 ZIP-Cooe 1027 201863
UST Owner/Operator:Owners Signature:Address:	FONELL - Street GRANDVIE City E/CHANGE-IN-SE ALBA EX JILLIAM TIGO GRANDVIE GRANDVIE GRANDVIE GRANDVIE GRANDVIE TE ASSESSMENT	Teleph EW RVICE PERFORMED CAVATING IN GGIN, P.E POAD EW CONDUCTED BY:	P.O. Box WA State Decommissioning License Number: P.O. Box WA P.O. Box WA State	2/15 AB930 ZIP-Cooe 1027 201863
UST Owner/Operator:Owners Signature:Address:SO/_ TANK CLOSUR Service Provider: Licensed Supervisor: Supervisors Signature Address:SO/ Telephone: (SO/_) Name of Registered Site Telephone: (SO/_)	POWELL - Street GRANDVIE City E/CHANGE-IN-SE ALBA EX JILLIAM ALBAE GRANDVIE GRANDVIE GRANDVIE GRANDVIE GRANDVIE GRANDVIE ASSESSMENT ASSESSMENT ASSESSOR: HAR GRANDVIE GRA	Teleph EW RVICE PERFORMED CAVATING IN GGIN, P. E ROAD EW CONDUCTED BY:	P.O. Box WA State Decommissioning License Number: WA P.O. Box WA State C. License Number: Decommissioning License Number: WA State	2/15 AB930 ZIP-Cooe 1027 201863
UST Owner/Operator:Owners Signature:Address:	POWELL - Street GRANDVIE City E/CHANGE-IN-SE ALBA EX JILLIAM ALBAE GRANDVIE GRANDVIE GRANDVIE GRANDVIE GRANDVIE GRANDVIE ASSESSMENT ASSESSMENT ASSESSOR: HAR GRANDVIE GRA	Teleph EW RVICE PERFORMED CAVATING IN GGIN, P.E POAD EW CONDUCTED BY:	P.O. Box WA State Decommissioning License Number: P.O. Box WA P.O. Box WA State	2/15 AB930 ZIP-Cooe 1027 201863

PLEASE READ CARFTILLY

INSTRUCTIONS

This form is to be completed by the Tank Owner and submitted to Ecology within 30 days of tank closure.

Mark the appropriate box(es) for temporary tank closure, permanent tank closure, change-in-service, or site assessment.

Return this completed form to:

Underground Storage Tank Section

Department of Ecology P. O. Box 47655 Olympia, WA 98504-7655

Permanent Closure and Change-in-Service require a site assessment be performed.

SITE INFORMATION:

Fill in the site information. Be sure to include the Ecology site ID number. This number may be found on the invoice or permit. Include a contact telephone number so any problems may be resolved quickly.

TANK INFORMATION:

List the tanks that were closed. Please use tank ID numbers and indicate the date of permanent closure. Be sure to attach your Underground Storage Tank Permits for any tanks that are now closed.

UST SYSTEM OWNER/OPERATOR:

Please fill in the owner's/operator's name, address, and telephone number. Be sure to sign this form.

TANK CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

List the closure company. Companies that provide UST services MUST be licensed by Ecology. Ask to see their supervisor's license. Make sure the licensed supervisor signs this form.

SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Fill in the site assessor information for permanent closure or change-in-service. Mark the appropriate box showing whether contamination from the underground tank(s) was or is present at the site. A site check/site assessment MUST be conducted by a site assessor who is registered with Ecology.

If contamination at the site is found or suspected, the appropriate Ecology Regional Office must be notified within 24 hours. If the contamination is confirmed, a site characterization report must be submitted to the regional office within 90 days. If contamination is not confirmed, a site assessment report must be submitted to the above address within 30 days.

Tanks exempt from notification requirements are:

Farm or residential tanks, 1100 gallons or less, used to store motor fuel for personal or farm use only. The fuel must not be for resale or used for business purposes.

Tanks used for storing heating oil that is used on the premises where the tank is located.

Tanks with a capacity of 110 gallons or less.

Equipment or machinery tanks such as hydraulic lifts or electrical equipment tanks.

Emergency overflow tanks, catch basins, or sumps.

For more information call toll free in the state of Washington 1-800-826-7716 or (206) 438-7137

APPENDIX F

TABLEV	TAID LICE	CRITERIA FO	P PETRO	I FUM-CONT	AMINATED	SOILS
IARIEV	FINIT USE	CHIERIA	III LIIIO	FFOIN COLL		

			Soil Cla	iss (ppm)	
Analyte	Analytical Method	1	2	3	4
Heavy fuel hydrocarbons (C24-C30)	WTPH- 418.1 mod.	<60	60-200	200-2000	>2000
Diesel (C12-C24)	WTPH-D	<25	25-200	200-500	>500
Gasoline (C6-C12)	WTPH-G	<5	5-100	100-250	>250
Benzene	8020	<0.005	0.005-0.5	≤0.5	>0.5
Ethylbenzene	8020	<0.005	0.005-20	≤20	>20
Toluene	8020	<0.005	0.005-40	≤40	>40
Xylenes (total)	8020	<0.005	0.005-20	≤20	>20

Treatment is recommended for all Class 3 and 4 soils.

NOTES:

Class 1 Soil Uses:

Any use which will not cause threat to human health or the environment.

Class 2 Soil Uses:

Backfill at the cleanup site

Fill in commercial or industrial areas

Cover or fill in permitted landfills

Road subgrade or other road construction fill

Fill in or near: wetlands, surface water, ground water, drinking water wells or utility trenches is NOT recommended. Use as residential topsoil is also NOT recommended.

Class 3 Soil Uses:

Treatment

Disposal at the original site (no solid waste diposal permit needed)

Road construction (no solid waste diposal permit needed)

Use or disposal in permitted, municipal landfills

Permitted as a new PCS landfill

(An evaluation should be made to ensure that disposal will not cause a threat to human health or the environment, e.g. use near water bodies)

Class 4 Soil Uses:

Treatment

Disposal in a permitted, municipal landfill

Permitted as a new PCS landfill

APPENDIX G

tile Original and First Copy with Department of Ecology Second Copy — Owner's Copy Inird Copy — Driller's Copy

WATER WELL REPORT

ITE OF WASHINGTON

Application	No.	
Permit No.		

(1) OWNER: Name Ed FRASICL	Address 8, 3 Box 3/3/	Essentien, a
(2) LOCATION OF WELL: County PAKINA	_ W & SW 1/4 Sec 13 T	9 N. R 23WM1/1
varing and distance from section or subdivision corner 200'N	100'S DE SURDIVISION	COLVER !!
ROPOSED USE: Domestic Industrial Municipal	(10) WELL LOG:	
Irrigation Test Well Other	Formation: Describe by color, character, size of mate show thickness of aquifers and the kind and nature a stratum penetrated, with at least one entry for each	of the material in each
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM TO
New well Method: Dug Bored Deepened Cable Driven	CLAY	0'38
Reconditioned Rotary Jetted	SROWN BASALT	08' 72
(5) DIMENSIONS: Diameter of well inches. Drilled 10 ft. Depth of completed well 70 ft.		
(6) CONSTRUCTION DETAILS:		
Casing installed: r Dlam. from ft. to ft.		<u> </u>
Threaded Diam. from ft. to ft.		
Welded Diam. from O ft. to Old ft.	l	
Perforations: Yes No.		
Type of perforator used		
SIZE of perforations in, by in.		
perforations from ft. to ft.		
perforations from ft. to ft		
Screens: Yes No. No.		
Manufacturer's Name Model No		
Diam. Slot size from ft. to ft.	<u> </u>	
Diam Slot size from ft. to ft.		
ravel packed: Yes No Size of gravel:		
Gravel placed from ft. to ft.	· /	
Symfora goals - AC		
Surface seal: yell No To what depth?	N FOXIVED	
Did any strata contain unusable water? Yes No.	- 7-1010	
Type of water? Depth of strata	100000000000000000000000000000000000000	
Method of sealing strata off	YAR 2.9 1978	<u> </u>
(7) PUMP: Manufacturer's Name. SERS	DEPARTMENT OF A CHORN	
Type:HP	CEATTLE TEST OFFICE	
(8) WATER LEVELS: Land-surface elevation		
above mean sea level Static levelft. below top of well Date		
Artesian pressurelbs. per square inch Date		
Artesian water is controlled by(Cap, valve, etc.)		
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	1-9- 180-140	1-19-, 1978
Was a pump test made? Yes New 12 yes, by whom?	Work started 19 / Completed	and franchiscon to the state of
Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:	
" " " " " " " " " " " " " " " " " " "	This well was drilled under my jurisdiction	n and this report is
	true to the best of my knowledge and belief	7 41.
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	NAME WATKIUS WELL AS	1161,09
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation)	(Type or print)
	Address L. 2 Box 2457A	GEARCHIEW, i
	Address)
te of test	[Signed] Thursto F. 10 to F.	(مید
iller test /5 gal/min. with 55 ft, drawdown after hrs.	[Signed] (Well Driller)	
Artesian flow g.p.m. Date	License No. 05/6 Date /	19- 1978
Temperature of water Was a chemical analysis made? Yes : No,	Dave Jane	,,
•	1	

ile Original and First Copy with epartment of Ecology econd Copy — Owner's Copy hird Copy — Driller's Copy

WATER WELL REPORT TE OF WASHINGTON Applica Permit

 Application	No.	
Permit No.	• • • •	

OWNER: Name ERNEST W. PETERSON	Address RT 3 BOX 3128 GR	nedur	del ar
) LOCATION OF WELL: County YAKIMA	_ SW4 SW4 Sec 13 T	9 N., R.5	23 WM. N
aring and distance from section or subdivision corner	& 30 N DF SUB DIVISIO	id a	<u>E</u>
) ROPOSED USE: Domestic Industrial Municipal	(10) WELL LOG:		
Irrigation Test Well Other	Formation: Describe by color, character, size of mater show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each	f the materi	u in each
TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM	TO
New well Method: Dug Bored	Top Soils	0	18
Deepened ☐ Cable ☑ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐	REDOWN POCK	19	65
inconditioned incoming to the control of the cont	ROMEN HONES COMB	65	10
Drilled ft. Depth of completed well ft.	BLACK BASALT	10	71_
CONSTRUCTION DETAILS:			
Casing installed: ft. to ft.			· · ·
Threaded , Diam. from ft. to ft. to th. Welded of Diam. from ft. to ft. to ft.	<u> </u>	<u> </u>	
Perforations: Yes No		-	
Type of perforator used in. by in.			
perforations from ft. to ft.	<u> </u>	-	
perforations from ft. to ft.			
perforations from ft. to ft.		-	
Screens: Yes No 1			
Screens: Yes No No Manufacturer's Name	DECKINED		
Type Model No	1 EU/LIV LU	-	
Diam Slot size from ft. to ft.			
Diam Slot size from ft. to ft.	MAY 2 1977		
ravel packed: Yes No Size of gravel:			
Gravel placed from ft. to ft.	DEPARIMENT OF ECOLOGY		
	CENTIAL REGIONAL OFFICE		
Surface seal: Yes No To what depth? ft.			
Material used in seal CYNED Did any strata contain unusable water? Yes □ No X			
Type of water?			
Method of sealing strata off			
Parl			
7) PUMP: Manufacturer's Name SER			
Type: HP			
B) WATER LEVELS: Land-surface elevation above mean sea level ft.			
atic levelft. below top of well Date 4-18-71			
rtesian pressurelbs. per square inch Date			
Artesian water is controlled by(Cap, valve, etc.)			
Drawdown is amount water level is		1/	~~
lowered below static level	Work started 4 24 19 7 Completed	4-28	
Yas a pump test made? Yes □ No □ If yes, by whom?	WELL DRILLER'S STATEMENT:	7	,
leld: gal./min. with ft. drawdown after hrs.		All-	report is
n n n	This well was drilled under my jurisdiction true to the best of my knowledge and belief.	and this	report 12
ecovery data (time taken as zero when pump turned off) (water level		101	1/2
measured from well top to water level) Time Water Level Time Water Level Time Water Level	NAME (Person, firm, or corporation)	(Type or p	rint)
	Address H 2 Knx 2450	AC	PALTURA
	Address	A.J	and A The Boat Not A before
a od too	Town the flow	Dry	
ailer test 10 gal/min, with 25 ft, drawdown after hrs.	[Signed](Well Driller)		••••••
rtesian flow	1 / 0-1/	100	70
'emperature of water	License No. 03/6 Date 7	-00-	, 19 //
,	· · · /		• •
(USE ADDITIONAL :	SHEETS/IF NECESSARY)	1	3 m
5. F. No. 7356—OS—(Rev. 4-71).	· <i>C</i>		-

File Original and First Copy with Department of Ecology Second Copy-Owner Third Copy-Driller's C

nasın 🐧

036696

cond Copy—Owner's Copy		VASHINGTON Water Right Permit No.		B
) OWNER: Name Cleatus R. Vining		Address 1121 Wilson Hiway, Grand	lview, W	A 989
		11	_	00
LOCATION OF WELL: County Yakima	- "	W1/2 NW % NE % Sec 14 T_	9_N., R_	23_w.m
) STREET ADDDRESS OF WELL (or nearest address) Par	ccel #23	30914-12401		
□ Imgation _	nicipal 🗆	(10) WELL LOG or ABANDONMENT PROCEDU		
TYPE OF WORK: Owner's number of well 1	iei u	Formation: Describe by color, character, size of material at thickness of aquifers and the kind and nature of the material in e with at least one entry for each change of information.		
** ¥	Bored	MATERIAL	FROM-	то
Deepened Cable D	Oriven 🗆	Gravel & sand	0	1
	letted	Sand loam	1	20
DIMENSIONS: Diameter of well 10x8x6x5	inches.	Sandy clay w/st of gravel	20	43
Drilled 96 feet. Depth of completed well 96	ft.	Broken basalt w/brown silt	43	86
		Gray basalt	86	87
CONSTRUCTION DETAILS:		Broken basalt w/silt & water	87	96
Diam. from R. to	56ft.			
Lines in the line of the line	32 _{ft} .			
Threaded 4" PVC Diam. from -4 ft. to 9	96			
Perforations: Yes No Saw				
1/8				
105 82 0	96 in.		-	
periorations from π. to	#.			
perforations fromtt. to	ft.			
perforations fromtt. to	ft.			
Screens: Yes No				
Manufacturer's Name				
Type Model No_	-			
iamft. to				
DiamStot sizefromft. to		·		
Gravel packed: Yee No Size of gravel				•. '
Gravel placed from ft. to	ft.			
Surface seal: Yes No To what depth?	ft.			
Coment Dantanit				
			15 171	
Did any strata contain unusable water? Yes No		6" Drive Shoe Utilized R		1
Type of water?Depth of strata_		11 n 1 - 15 - 15 - 15 - 15 - 15 - 15 - 1	1.1.1	i
Method of sealing strata off			1	1
PUMP: Manufacturer's Name		HALL NEW		
Type:H.P				
WATER LEVELS: Land-surface elevation		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Static level 45 ft. below top of well Date	ft.			
Artesian pressurelbs. per square inch_Date	1			` .
Artesian water is controlled by		3		
(Cap, valve, etc.))		Work started 9/29/ 19. Completed 10	72/90	19
WELL TESTS: Drawdown is amount water level is lowered below s	static level	TOTA STATEGO		
Was a pump test made? Yes No All If yes, by whom?		WELL CONSTRUCTOR CERTIFICATION:		n ÷
CONTRACTOR AND THE RESIDENCE TO THE PROPERTY OF THE PROPERTY O		I constructed and/or accept responsibility for cons	truction of	this well,
" "	* '*	and its compliance with all Washington well con	struction s	tandards.
Recovery data (time taken as zero when pump turned off) (water level me	(57)	Materials used and the information reported above knowledge and belief.	are true to	my best
from well top to water level)	1			
Time Water Level Time Water Level Time Wa	ater Lavel	NAME_PONDEROSA DRILLING & DEVELOR	MENT I	NC.
		(PERSON, FIRM, OR CORPORATION)	(TYPE OR	PRINT)
		Address E. 6010 Broadway, Spokane V	VA 992	12
Data disconnection of the second of the seco	-	Auditos		
Date of test	}	10:000 Padred Britter	No_0043	
Bailer test gal./min. with ft. drawdown after	hrs.			
Airtest gal./min. with stem set at ft. for	1	Contractor's Robert Bri		00
Artesian flow		RegistrationND-EI *248JE Date 10/24		190

_ Was a chemical analysis made? Yes 🗌 No 😾

Artesian flow _ Temperature of water _ File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy

WATER WELL REPORT ATE OF WASHINGTON Application No. ______

Permit	No.			 	/	
	1.00	~			/	

ALI OF T	
1) OWNER: Name GARY L. SCHOEPFLID	Address 109 N. ELM GRANDUIEW, Wa.
	ALL NE MU U O 13
2) LOCATION OF WELL: County PAKINA	I JA N., ROOWM.
and distance from section or subdivision corner 500 E	, of 400'N OF SUB DIVISION (HERE
B, L'ROPOSED USE: Domestic M Industrial Municipal	(10) WELL LOG:
Irrigation Test Well Other	Formation: Describe by color, character, size of material and structure, and
	show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.
4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL FROM TO
New well Method: Dug Bored	
Deepened Cable Driven	107 0016 7
Reconditioned Rotary Jetted	That The state of
5) DIMENSIONS: Diameter of well inches.	HARCI FAN
Drilled 1 5 ft. Depth of completed well tt.	SOOMUN DASALT 46 70
Difficulty Depth of completed were pro-	BLACK BASALT 72 193
6) CONSTRUCTION DETAILS:	CREW BASALT 133 143
Casing installed: " Diam. from ft. to ft.	SAND & GRAVEL 143 148
Threaded Diam. from ft. to ft.	
Welded W Diam. from O ft. to 51 ft.	
Perforations: Yes No No	
Type of perforator used	
SIZE of perforations in. by in.	
perforations from ft. to ft	
perforations from ft. to ft.	
Screens: Yes No of	Y
Manufacturer's Name	
Type Model No	
Diam Slot size from ft. to ft. Diam Slot size from ft. to ft.	1 2 2
Dialit Siot size Holi 1t. to 1t.	DECEIVEI
Gravel packed: Yes No No Size of gravel:	W.OLIVED
Gravel placed from ft. to ft.	1050
S	JAN 25 1970
Surface seal: Yes No To what depth?ft.	
Material used in seal	DEPARTMENT IN EUGLICH
Type of water? Depth of strata	CENTRAL ACQUART CENT
Method of sealing strata off	
A) BYTHEM	
7) PUMP: Manufacturer's Name BERK	\.
Type: HP HP	
8) WATER LEVELS: Land-surface elevation	
above mean sea level	
rtesian pressurelbs. per square inch Date	
The state of the s	
Artesian water is controlled by(Cap, valve, etc.)	
9) WELL TESTS: Drawdown is amount water level is	1/-1/1/ 1/1 12 22-0
	Work started 19 Completed 19 19
'ield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:
n n n	This well was drilled under muliurisdiction and this report i
n n	true to the best of my knowledge and belief
decovery data (time taken as zero when pump turned off) (water level	1.1.1 / //// // // // //
measured from well top to water level)	I was the selection of the second
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)
	LAND SAV 2457A Capardino
	Address
	1 2/ 19/1/26
ate at teat	
ate of test	[Signed] flavell (Diller)
ailer test 00 gal/min, with 50 ft. drawdown after 3 hrs.	[Signed] (Well Driller)
	(Well Driller) :
Vas a pump test made? Yes No I If yes, by whom?	This well was drilled under my jurisdiction and this report i true to the best of my knowledge and belief

File Original and First Copy with—
Department of Ecology—
Second Copy—Owner's Copy—
Third Copy—Driller's Copy— WATER WELL REPORT Application No. TATE OF WASHINGTON Permit No. (1) OWNER: Name: Webb Conditions (2) LOCATION OF WELL: County Jaking SE 14 SW 14 Sec 14 T 9 Bearing and distance from section or subdivision corner PROPOSED USE: Domestic 🖫 Industrial 🗆 Municipal 🗆 (10) WELL LOG: Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation. Irrigation | Test Well | Other (4) TYPE OF WORK: Owner's number of well (if more than one).... MATERIAL New well 3 Method: Dug Bored [Top soil - Brown / Sand &day Deepened Cable 🕱 Driven 🛘 Reconditioned [Jetted [Rotary [500 (5) DIMENSIONS: Diameter of well _____ _ inches. In Black BosalT Drilled //2 ft. Depth of completed well //2 (6) CONSTRUCTION DETAILS: Casing installed: 6" Diam. from 6 ft. to 45 5 ft. Threaded [_____ " Diam. from _____ ft. to __ a Salt - Black- Broken Welded 📓 __" Diam. from ____ Brews Segms Perforations: Yes | No E Type of perforator used____ SIZE of perforations _ ___ in. by __ + 1 above ground ____ perforations from ____ ft. to ____ 0'41 perforations from _____ ____ ft. to . TOPSOIL perforations from _____ ---- ft. to -4101 Screens: Yes | No | Hand Pan Manufacturer's Name. 10' 25' Type_ _ Model No. Surface Seal To 401 Clay ____ Slot size ___ ___ from ft. to . __ Slot size ____ __ from ____ ft. to ___ Gravel packed: Yes | No S Size of gravel: ... Gravel placed from ___ _____ ft. to ___ BaselT Surface seal: Yes No | To what depth? 40 BasalT Material used in seal High Early Type TI 35 112 Did any strata contain unusable water? Yes No 🗮 Type of water?____ _ Depth of strata_ Method of sealing strata off... (7) PUMP: Manufacturer's Name. ::11/20 F19/5 Land-surface elevation above mean sea level.... (8) WATER LEVELS: ft. below top of well Date 3120175 DEPARTMENT OF Artesian pressure _ lbs. per square inch Date____ CENTRAL REGIONAL UTTICE Artesian water is controlled by____

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

" 45 " 40 " "

" "

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

te of test 3/26/75

"r test 36 gal./min. with 20 ft. drawdown after hrs.

Was a pump test made? Yes I No I If yes, by whom? Bleyles

(Cap, valve, etc.)

Drawdown is amount water level is lowered below static level

Work started 225 1925. Completed 3/6 19.75

Well Driller (Person, firm, or corporation)

(Signed]

(Well Driller (Well Driller)

(9) WELL TESTS:

081109 Start Card No. _

STATE OF WASHINGTON

		Water Aight Fernit No.		
1)	OWNER: Name EVERETT DOYLE KELLEY	Address 951 wilson hiway, Grandv	iew WA	98930
	LOCATION OF WELL: Court	N ¹ 2 - SW _M NE _{M Sec.} 14 _{T.} 0	a .	7.7
2-1	County !!	230914-13001	Э_N., R_4	<u>23_w.m.</u>
	OTTICE! ADDURESS OF WELL (or nearest address)	,		
3)	PROPOSED USE: Domestic Industrial Industrial Municipal Industrial	(10) WELL LOG or ABANDONMENT PROCEDUR	RE DESCR	RIPTION
4)	DeWater Test Well Other TYPE OF WORK Owner's number of well	Formation: Describe by color, character, size of material and thickness of aquiters and the kind and nature of the material in ea with at least one entry for each change of information.		
	TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM	TO
	Abandoned New well	Top soil, brown, soft	0	1
	Reconditioned	Sandy clay, brown, medium soft	1	31
5)	DIMENSIONS: Diameter of well 6 inches.	Caliche, Black, hard	31	33
	Drilled 200 feet. Depth of completed well 200 ft.	Fractured Basalt, brown, hard	33	44
6)		Basalt, gray, very hard	44	80
	Casing installed: 6 Diam. from +1 ft. to 59 ft.	Pouris basalt, brown, hard	80	84
	Welded \ PVC 4 . Diagram = 60 4 4 200 4	Basalt, black, hard	84	133
	Liner installed Threaded Diam. from Town It. to It.	Sandstone, gray, medium	133	163
	Perforations: Yes No PVC LINER	Sandstone, tan, soft medium	163	<u> 176</u>
	Type of perforator usedSkillsaw	Sandstone, brown, soft medium	176	200
	SIZE of perforations $\frac{1/8}{}$ in. by $\frac{6}{}$ in.			
	172 perforations from160tt. to200tt.			
	perforations fromtt. tott.	TEGETWEET.		-
	perforations fromft. toft.			
	Screens: Yes No X	[]]		
	Manufacturer's Name	3149		
	Type Model No Diam Slot size from ft. to ft.			
	DiamSlot sizefromft. toft. DiamSlot sizefromft. toft.	DETERMINENT OF ECOLOGY		
		CENTRAL REGION OFFICE		
	71Size of gravel		+	
	Gravel placed fromft. toft.			
	Surface seal: Yes X No To what depth? 40			
	Material used in seal <u>BENTONITE & cement</u>			
	Did any strata contain unusable water? Yes No X Type of water?			-
	Type of water?Depth of strata			
	PUMP: Manufacturer's Name			
	Туре:	6" Drive Shoe Utilized		
8)	WATER LEVELS. Land-surface elevation	O DITYC DIDC OCTILIZED		
	Static levelft. below top of wellft.		i	
	Artesian pressurelbs. per square inch Date			
	Artesian water is controlled by(Cap, valve, etc.))	9		
9)	WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 12/11/90 19. Completed 12/	13/90	., 19
	Was a pump test made? Yes No Wifyes, by whom?	WELL CONSTRUCTOR CERTIFICATION:		
	Yield:60_ gal./min. with ff. drawdown after hrs.	I constructed and/or accept responsibility for constructed	ruction of th	nis well
	ESTIMATED AIRIFT	and its compliance with all Washington well cons	truction sta	andards.
	Recovery data (time taken as zero when pump turned off) (water level measured	Materials used and the information reported above a knowledge and belief.	ire true to i	my best
1	from Well top to water level) Time Water Level Time Water Level Time Water Level			
	THE TRACE CALCULATION THE TRACE CARGO	NAME PONDEROSA DRILLING & DEVELOP		
		THE SECOND COLORS OF SECOND SECOND COLORS OF SECOND	(TYPE OR F	
_		Address E. 6010 BROADWAY SPOKANE	WA 992	212
	Date of test	A woll	1000	
	Bailer test gal./min. with ft. drawdown after hrs.	(Signed) License N	o. 1335)
	Airtestgal./min. with stem set attt. forhrs.	Contractor's (STEVE MILLS)		00
	Artesian flow g.p.m. Date	Registration No.PO-ND-EI *248JE Date 12/20	,	1990-
	Temperature of water Was a chemical analysis made? Yes No 🔀	USE ADDITIONAL SHEETS IT NECES		

W ER WELL REPORT STATE OF WASHINGTON

		M
Application	No.	
Permit No.		<u> </u>

(1) OWNER: Name EUGENE MARTIN	Address RT 1 BOX 107 LL MABTON, WN.
	_ SW4 SW 4 Sec 14 T 9 N. R 23 WM
g and distance from section or subdivision corner LoT 5	
(a) Proposite visa	(10) WELL LOG:
(3) PROPOSED USE: Domestic M Industrial Municipal Irrigation Test Well Other	
	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL . 17PE FROM TO
New well 🔌 Method: Dug 🗌 Bored 🗍 Deepened 🗍 Cable 🗍 Driven 🗍	TOP SOLL (MED B) EASY O 4
Reconditioned Rotary Z Jetted	SAND (LOSE) 11 11 6 36
(5) DIMENSIONS: Diameter of well 5 inches	11 (GRAY BROWN) H 36 71
Dimensions: Diameter of well inches. Drilled	COMGLOMERATE (LIGHT B) HAVO 71 76
(6) CONSTRUCTION DETAILS:	DECEIVED
Casing installed: 5 "Diam. from 0 ft. to 76 ft.	- NEVERVED
Threaded	1000
	JAN 27 1978 -
Perforations: Yes No ST	NEGOTIANA AS ESSI ASY
Type of perforator used	DEPARTMENT OF EGOLULIA
perforations from	Unitilist hadronal orrive
perforations from ft. to ft.	(J)
perforations from ft. to ft.	
Screens: Yes No M	
Manufacturer's Name	SUMMISSION SUMMISSION AGAD MARIEN
Diam. Slot size from ft. to ft.	SUMME MADER SUMMESTER ROAD MADER
Diam. Slot size from ft. to ft. to ft.	
Gravel packed: Yes No X Size of gravel:	
Gravel placed from ft. to ft.	- 6
Surface seal: Yes X No To what depth? 18 ft.	2 MIOUALE S
Material used in seal. BENTON ITE	(2)
Did any strata contain unusable water? Yes 🗌 No 🗌	
Type of water?	well to
	्राच्य
(7) PUMP: Manufacturer's Name	SNIPES PUMP
Type: H.P	
(8) WATER LEVELS: Land-surface elevation above mean sea level. App	
Static level 5 6	
Artesian pressure	(E)
(Cap, valve, etc.)	
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	
Was a pump test made? Yes \(\) No \(\) If yes, by whom?	Work started 1-23 19.78 Completed 1-24 19.78
Yleld: 30 gal./min. with ft: drawdown after hrs.	WELL DRILLER'S STATEMENT:
" WITH AIR" "	This well was drilled under my jurisdiction and this report is
Percurate data dalam halima halima	true to the best of my knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	SALE LENGTH AMERICA
Time Water Level Time Water Level Time Water Level	NAME JENSENS WELL ORILLING ORIUNG (Person, firm, or corporation) (Type or print)
	Address / 603 50, /0 H AUE -
Date of test	Chis R D
Bailer testgal./min. withft. drawdown afterhrs.	[Signed] Well Driller)
Artesian flowg.p.m. Dateg.p.m. Date	02(2
reinperature of water	License No

File Original and First Copy with Department of Ecology. Second Copy—Owner's Copy Third Copy—Oriller's Copy

WATER WELL REPORT

Start Card No. 24394

STATE OF WASHINGTON

(4) Ourse \hat{P}	Water Right Permit No	
11) OWNER: Name Rich Wallingford	Address Box 7/2 Cravducius Wa	ash 900
(2) LOCATION OF WELL: County Jakima		
(2a) STREET ADDDRESS OF WELL (or nearest address) Puterbug	1 Sec 15 T 9 N	I., R.236W.
(3) PROPOSED USE: Somestic Industrial Municipal		
☐ DeWater Test Well ☐ Other ☐	(10) WELL LOG OF ABANDONMENT PROCEDURE DE	ESCRIPTIO
(4) TYPE OF WORK: Owner's number of well /	Formation: Describe by color, character, size of material and structhickness of aquifers and the kind and nature of the material in each structure with at least one entry for each change of information.	cture, and sho atum penetrate
Abandoned New well Method: Dug Bored D	MATERIAL FROM	и то
Reconditioned Cable Driven	Topsoil Brown 0	3
(5) DIMENSIONS: Diameter of well 6	sand Tan 3	12
	Clay Brown 12	45
teet. Depth of completed well /5.5	fine Sand Tun Clay 45	
(6) CONSTRUCTION DETAILS:	Basalt Black 63	140
Casing installed: 6 Diam. from // tt. to 63 ft.		155
Liner installed Diam. from tt to	1	
Threaded Diam. from ft. to ft.		
Perforations: Yes No 🗙		
Type of perforator used		
SIZE of perforations in. by in.		
perforations fromft. to		
perforations fromft. toft.		
perforations fromft, to		
Screens: Yes No X		
Manufacturer's Name		
Type Model No		
Diam		
Slot sizefromft. tot		
Gravel packed: Yes No Size of gravel		
Gravel placed fromft. toft.		
Surface seal: Yes No No To what depth?		+
Material used in seal Sentonite		-
Did any strata contain unusable water? Yes No 2		-
Type of water?		+
Method of sealing strata off		-
7) PUMP: Manufacturer's Name		
Туре:		
B) WATER LEVELS: Land-surface elevation		
Shall above mean sea level		
Artesian pressure		
Artesian water is controlled by		
(Cap, vaive, etc.))		
WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 5.10 , 19. Completed 5.11-	19 93
The state of the s		
Yield: gal./min. with ft. drawdown after hrs.	WELL CONSTRUCTOR CERTIFICATION:	
0 0	I constructed and/or accept responsibility for construction of and its compliance with all Washington well construction shaterials used and the information	
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	Materials used and the information reported above are true to knowledge and belief.	o my best
Time Water Lavel Time Water	· ·	
Water Level Time Water Level	NAME Blue Water Dolling	
an lift 25+ apm	NAME BLUE WATER DRILLING (PERSON, FIRM, OR CORPORATION) (TYPE OF	R PRINT)
	Address Box 1175 Prosser Wash 9	19250
Date of test	(al Till	, 500
Bailer test gal./min. with ft. drawdown after hrs.	(Signed) Mad Hammons 20	13/
Airtest gal./min. with stem set at ft. for hrs.	Contractor's (WELL DRILLER)	
Artesian flow g.p.m. Date ft. for hrs.	Registration.	9
emperature of water	No	_, 19_/_
No N	(LISE ADDITIONAL CUITETO IT	

Department of Ecology-Second Copy — Owner's Copy

Start Card No. 36061

(USE ADDITIONAL SHEETS IF NECESSARY)

File Original and First Copy with WALLREPORT UNIQUE WELL LD. # ABI610 STATE OF WASHINGTON Third Copy - Driller's Copy Water Right Permit No. -OWNER: Name Joe Tayon Address P.O. Box 367, Sunnyside LOCATION OF WELL: county Yakima 1/4 Sec 15 1/4 NW NW N. R 23 (2a) STREET ADDRESS OF WELL (or neerest address) 8080 Puterbaugh Rd., Grandview Domestic X PROPOSED USE: WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION. Industrial Municipal ☐ Irrigation Formation: Describe by color, character, size of material and structure, and show thickness of aquiters Test Well □ Other ☐ DeWater and the kind and nature of the material in each stratum penetrate at least one entry for each Owner's number of well (If more than one) change of information. TYPE OF WORK: MATERIAL FROM TO 双-Abandoned [New well Method: Dug □ Bored Deepened Topsoil 0 Cable [Driven ☐ Rotary 🖔 Reconditioned Jetted [7 Brown Clay, Sand, 23 DIMENSIONS: Diameter of well_ Brown Clay, Sand, 23 38 inches. Drilled 65 feet. Depth of completed well Sand & Water 38 50 Sand, Gravel. Tan Clav. Water. 50 65 CONSTRUCTION DETAILS: Brown Sandstone Casing installed: ___ 6 . __ft. to__ 65 Diam. from ± 1 Welded \(\frac{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tiliex{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\te}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\te}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\texit{\text{\texi}\text{\text{\texi}\text{\texi}\text{\text{\text{\tex{\text{\text{\text{\text{\text{\texi}\text{\texi}\text{\texit{\ti Diam. from _____ft. to_____ Diam, from Perforations: Yes Type of perforator used _ SIZE of perforations _ _ in. by ___ in. __ perforations from ____ ft. perforations from ft. _ perforations from Screens: Yes Manufacturer's Name ___ Model No. Diam. ____ Slot size ___ .____from____ _ft. to'____ Diam. ____ Slot size ___ No X Gravel packed: Yes Size of gravel Gravel placed from __ ft. to __ ft. Surface seal: Yes X No 🗌 To what depth? 18 Material used in seal <u>Bentonite Clay</u> Did any strata contain unusable water? Yes ☐ No [X] Type of water? __ Depth of strata Method of sealing strata off ____ PUMP: Manufacturer's Name Type: H.P. WATER LEVELS: Land-surface elevation above mean sea level_ 6 ft. below top of well Date 11/3/9 Artesian pressure ___ lbs, per square inch Date Artesian water is controlled by ____ (Cap, valve, etc.) 11/2/93 Work Started . 19. Completed WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No X if yes, by whom? _ WELL CONSTRUCTOR CERTIFICATION: Yield: ___ gal./min. with ft. drawdown after hrs. 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. ,, OASIS DRILLING Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) NAME (PERIOR PRINT) (TYPE OR PRINT) Time Water Level Time Water Level Water Level Time Moxee, WA 98936 Address License No. <u>1435</u> (Signed) Contractor's Registration No. OAS hrs. ISD*072J9 Date 11/7/93

g.p.m. Date 11/3/93

Temperature of water 62° Was a chemical analysis made? Yes

File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy

WATER WELL REPORT

Application	No.		
7			

3

TATE OF W	Permit No
(1) OWNER: Name KYANZ, DAIT	Address Rt. 2 Box 2573-B Greatwiew W
(2) LOCATION OF WELL: County Yakiwa	SN 4 NE 4 sec 24 T 9 N. 123 WM.
	h P100' East of the North Alest Boundary
(3) PROPOSED USE: Domestic A Industrial Municipal	(10) WELL LOG:
Irrigation Test Well Other	Formation: Describe by color, character, size of material and structure, and
	show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL FROM TO
New well Method: Dug Bored Deepened Cable Driven	501/ 0/8
Reconditioned	Caliche + sand rock 1821
(5) DIMENSIONS: Diameter of well (inches	6 roken 6 250/1 21 37
Drilled 40 ft. Depth of completed well 40 ft.	bard grey basalt 37 80
	brown basalt (little water 80 83
(6) CONSTRUCTION DETAILS:	hard grey basalt 83 134
Casing installed: 6 "Diam. from 118 ft. to 37 ft.	brown sand rock (water) 134 140
Threaded" Diam. from ft. to ft. Welded" Diam. from ft. to ft.	
Perforations: Yes No Z	Blowed approx 40 g.pm.
Type of perforator used	with dix
perforations from ft. to ft.	
perforations from ft. to ft.	
perforations from ft. to ft.	
Screens: Yes No	
Manufacturer's Name Model No	
Diam. Slot size from ft. to ft.	
Diam. Slot size from ft. to ft.	
Gravel packed: Yes No Size of gravel:	DECEIVED
Gravel placed fromft. toft.	
Surface seal: Yes 2 No 1 To what depth? 37 ft.	
Material used in seal Dentonie	JUN 11 13/9
Did any strata contain unusable water? Yes \(\square\) No \(\square\)	200200000000000000000000000000000000000
Type of water? Depth of strata Method of sealing strata off	DEPARTMENT OF TRANSPORT
	Vaire
(7) PUMP: Manufacturer's Name	
Туре: Н.Р	
(8) WATER LEVELS: Land-surface elevation above mean sea level	
Static level 20 ft. below top of well Date 4-/2-79	
Artesian pressurelbs. per square inch Date	
(Cap, valve, etc.)	
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	1/2 10 1/2 1/2
Was a pump test made? Yes No 🕒 If yes, by whom?	Work started 4-10, 1929. Completed 4-1, 1929.
Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	This well was drilled under my jurisdiction and this report is
Recovery data (time taken as zero when pump turned off) (water level	true to the best of my knowledge and belief.
measured from well top to water level)	NAME Heary Back Well Drilling
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)
	Address #4 / Box 360 H Wapato Wa 98951
Jate of test	[Signed] Jack
	(Well Driller)
Cemperature of water Was a chemical analysis made? Yes No	License No. 0053 Date 4-20 1979

File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy

WATER WELL REPORT TATE OF WASHINGTON

	Same Same	1000
-	Application No	0.
	Permit No	

3

TAIL OF	Permit No
(1) OWNER: Name GERALD COUENS	Address 2144 EVERETT AVE. W.Ch.TA. KAI
(2) LOCATION OF WELL: County Coxim A	
	SE WWW. Sec 24 T 9 N. R 23WM.
	ON S.E. CORNER OF THE SE'4 Sect
PROPOSED USE: Domestic Industrial Municipal	(10) WELL LOG: Formation: Describe by color, character, size of material and structure, and
	show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.
(4) TYPE OF WORK: Owner's number of well (if ngoye than one)	MATERIAL FROM TO
New Well Method: Dug Bored	-TOO Sail & CLAN 01 10'
Deepened Cable Driven Reconditioned Rotary Jetted	Sepula 8 ock 1 121 601
	Geown Brotal Fix 601 651
(5) DIMENSIONS: Diameter of well inches. Drilled 65 ft. Depth of completed well 62 ft.	
/C) CONSUMPLICATION DEPARTS	
(6) CONSTRUCTION DETAILS:	
Casing installed: " Diam. from ft. to ft.	
Threaded Tiam. from ft. to ft.	
Welded Diam. fromft. toft.	
Perforations: Yes 🗆 No 🔏	
Type of perforator used	
SIZE of perforations in. by in.	
perforations from ft. to ft	
perforations from ft. to ft.	
5	
Screens: Yes No A	
Manufacturer's Name\	
Diam. Slot size from ft. to ft.	- IFIVED
Diam. Slot size from ft. to ft.	
Gravel packed: Yes No. No. Size of gravel:	
Gravel placed from ft. to ft.	JUL 9.1975
· · · · · · · · · · · · · · · · · · ·	DEPARTURE OF THE
Surface seal: Yes No To what depth? tt.	CENTRAL REGIONAL CETTOE
Material used in stalEN/_EN/_ Did any strata contain unusable water? Yes \(\) No.	- THE RECEIPTED CAPICE
Did any strata contain unusable water? Yes No.	
Method of sealing strata off	
(7) PIIMP Real	
(7) PUMP: Manufacturer's Name SER	
1796.	
(8) WATER LEVELS: Land-surface elevation above mean sea level	
Static levelft. below top of well Date	
Artesian pressurelbs. per square inch Date	
Artesian water is controlled by (Cap, valve, etc.)	
(9) WELL TESTS: Drawdown is amount water level is	
lowered below static level	Work started \$\frac{\frac{122}}{22} 1976 Completed \$\frac{5\5c}{3c} 1976
Was a pump test made? Yes \(\simega \) No \(\simega \) If yes, by whom?	WELL DRILLER'S STATEMENT:
ried. gai./min. with fit. drawdown after firs.	
n n	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water level	1.1/ 1 1/ 1
measured from well top to water level)	NAME A PATRICIO LE KLING (OI
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)
	Address of 2 Box 24574 Contino
	Address 2 20 Address 2 Add
Date of test	The stand of the standing
iler test 20 gal/min. with 35 ft. drawdown after 2 hrs.	[Signed] (Well Driller)
Artesian flowg.p.m. Date	1 0-1 -62/ 1/
Temperature of water Was a chemical analysis made? Yes [No.	License/No
1 2 11/2	' /
////	JETTO TE NECTCCADA

-3

File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy

١.

WER-WELL REPORT

STATE OF WASHINGTON

Application	No.	
W		H
Permit No.		

(1) OWNER: Name DARel Id Noil.	Address Day Too Rd Grandview was	_
1) LOCATION OF WELL: County Valing.	SE 4 NE 4 Sec 24 T 9 N. R23 WM	
g and distance from section or subdivision corner	- SEL K JASSIK SECEL I TILLINI, RELLININI	1.
O DRODOGER FIG	(10) WELL LOG:	=
3) PROPOSED USE: Domestic A Industrial Municipal Irrigation Test Well Other		
	Formation: Describe by color, character, size of material and structure, an show thickness of aquifers and the kind and nature of the material in each strutum penetrated, with at least one entry for each change of formation	h
(4) TYPE OF WORK: Owner's number of well (if more than one)	· MATERIAL FROM TO	=
New well	Over Burdon 0 10	-
Reconditioned Rotary Jetted	Sanddelay 10 25	-
5) DIMENSIONS.	Basalt Sond. 25 32	_
Delived 145	Broken Basult. 37 50	_
	Soft Basult. 50 85.	_
(6) CONSTRUCTION DETAILS:	Basult water B5 90	_
Casing installed: 6" Diam. from +18 ft. to 33 ft.	HAND Basalt. 90 105	-
Threaded Diam. from tt. to tt.	Bro Basalt, Some Chy 105 125.	_
Welded A	pland Par Clay, warth. 125/45	-
Perforations: Yes 20 No [-
Type of perforations 44 in. by 14 in. perforations from 80 ft. to 120 ft.		-
SIZE of perforations 79 in. by 1/4 in. perforations from 80 ft. to 120 ft.		-
perforations from ft. to ft.		-
perforations from ft. to ft.		_
Screens: Yes No X		_
Manufacturer's Name		_
Type Model No		-
Diam. Slot size from ft. to ft.		
Diam. Slot size from ft. to ft.		-
Gravel packed: Yes No M Size of gravel:		-
Gravel placed from ft. to ft.		-
Surface seal: Yes No C To what depth? 20 rt.		-0
Material used in seal Den Tibe. 72.		_
Did any strata contain unusable water? Yes \(\) No \(\)		_
Type of water?		_
		-
(7) PUMP: Manufacturer's Name		_
Type: H.P		-
(8) WATER LEVELS: Land-surface elevation	- 1988 J	-
above mean sea level tt. below top of well Date 1-8-65	0.000	-
Artesian pressurelbs. per square inch Date	024141 10 0 25010SY	_
Artesian water is controlled by (Cap, valve, etc.)	CENTRAL REGION OFFICE	-
(9) WELL TESTS: Drawdown is amount water level is		-
lowered below static level	Work started: 19 Completed 19	_
Was a pump test made? Yes \(\) No \(\) If yes, by whom?	WELL DRILLER'S STATEMENT:	-
" " " " "		_
0 0 5 0 0	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.	5
Recovery data (time taken as zero when pump turned off) (water level	1 -	
measured from well top to water level) Time Water Level Time Water Level Time Water Level	NAME CARMAN De alopinent Co IDC	•
	(Person, firm, or corporation) (Type or print)	
A.a.L. ET 50+ 6PM.	Address AT 1 Box 1287 This SSon Wa	:.
Date of test	[Signed] John Carmins	
Bailer testgal/min. with	(Well Driller)	
Cemperature of water Was a chemical analysis made? Yes : No :	License No. 1452 Date 1-9, 182	3
	I .	

File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Trurd Copy — Driller's Copy

(1) OWNER: Name Tity of

WELL REPORT WASHINGTON

Application	No.	
-------------	-----	--

207 West 2nd St. Trandview, Wa.

Permit_No.	 	

(1)	OWNER: Name Tity of Taldyiow	Address 207 West 2nd St. randy	iew.	Wa.
12	OCATION OF WELL: Count CEMERAL REGION CO		N. R2	3 w.m.
ari	ing and distance from section or subdivision corner			
		(10) THEFT TOC.	I L.I. D	
(3)	PROPOSED USE: Domestic □ Industrial □ Municipal 🖾	(10) WELL LOG:		
	Irrigation Test Well Other	Formation: Describe by color, character, size of materia show thickness of aquifers and the kind and nature of t stratum penetrated, with at least one entry for each ci	the materia	at in each
(4)	TYPE OF WORK: Owner's number of well Di #14	MATERIAL	PROME	TO
	New well	Soil sandy, med brn	0	17
	Deepened Cable Driven	Easalt fract. grey-brn	17	71
	Reconditioned Rotary 2 Jetted	Easalt weath. brn-red, yell	71	76
(5)	DIMENSIONS: Diameter of well 16 inches.	Basalt semi fract. grey-brn	76	91
(-)	DIMENSIONS: Diameter of well 16 inches. Drilled 954 ft. Depth of completed well 954 ft.	Easalt med-hrd grey	91	118
		Sandstone soft, brn-grey-	71	110
(6)	CONSTRUCTION DETAILS:		118.	144
	Casing installed: 22 " Diam. from 0 ft. to 24 ft.	white-green, sand conglom.	144	
	Threaded 1 12 "Diam. from 0 ft. to 493 ft.	Glaystone med brn		217
	Welded 🗇" Diam. from ft. to ft.	Basalt fract. erey-red	217	251
		Easalt hrd black	251	364
	Perforations: Yes No E	Easalt hrd grey	364	380
	Type of perforator used	Easalt weath. brn-grey	380	401
	SIZE of perforations in. by in in ft. to ft.	Easalt hrd grey	401	426
	perforations from ft. to ft.	<u> </u>	426	432
	perforations from ft. to ft.	Masalt hrd grey	432	564
		Fasalt semi fract, red-grn	564	576
	Screens: Yes No I	Lasalt fract. brn-green-		
	Manufacturer's Name	crey, blue claystn strks	576	606
	Type Model No Diam Slot size from ft. to ft.	Sand packed, reen	606	622
	Diam. Slot size from ft. to ft.	Claystn blue-Treen	622	665
	Digiti	Ash, coal, red med	665	672
	Gravel packed: Yes O No. D. Size of gravel:	Easalt hrd gray	672	707
	Gravel placed from ft. to ft.	Hasalt fract, black	707	716
	Surface seal: Yes [No To what depth? 53 #t.	Easalt hrd black, seam	716	524
	Surface seal: Yes (No To what depth? 43 ft. Material used in seal 6797 700 ft.	Basalt med black	824	841
	Did any strata contain unusable water? Yes No	Tasalt hrd black	841	891
	Type of water? Depth of strata	Tasalt porous, arey-brn	891	398
	Method of sealing strata off	Easalt hrd rey	898	910
/EX	DYNAM	Easalt fract. rey	910,	917
(1)	PUMP: Manufacturer's Name	Easalt fract. black, with		
	Туре: НР	red a orn inseames	917	932
(8)	WATER LEVELS: Land-surface elevation 255 above mean sea level. 5/21/62	Easalt hrd cray	932	954
	ic level 127 ft. below top of well Date 5/21/22			
	esian pressurelbs. per square inch Date			
	Artesian water is controlled by			
-	(Cap, valve, etc.)			
(9)	WELL TESTS: Drawdown is amount water level is lowered below static level.	Work started 2/17 19 82 Completed 5	/24	1982
Was	s a numn test made? Yes \(\text{No} \(\text{If yes, by whom?} \frac{1}{2} \text{ITC} \(\text{S} \)	Work started 2/1/, 19 2. Completed		
Yiel		WELL DRILLER'S STATEMENT:		
.,	n , = n , n	This well was drilled under my jurisdiction	and this	report is
	р , в , п	true to the best of my knowledge and belief.		. 120
Rec	overy data (time taken as zero when pump turned off) (water level		_	
	measured from well top to water level)	NAME West Coast Brilling 50.	Inc.	
7	ime Water Level Time Water Level Time Water Level	(Person, firm, or corporation)	Type or p	rint)
(70 107	Address 220 Academy St t. A	rsel,	Or.
	19 197	A A A	1	
	Page of test 5/20-21	I all the state of		
821	ler testgal/min. withft, drawdown afterhrs.	[Signed] (Well Driller)		
	esian flowg.p.m. Date		ر)	22
	nperature of water Was a chemical analysis made? Yes 🗇 No 🗍	License No. C360 Date 1/1	<i>⊐∤</i>	, 1982.
		1 20 200		
	(USE ADDITIONAL S	HEETS IF NECESSARY) SP 7.28.83	• (
				AND DESCRIPTION OF

le Original and First Copy with epartment of Ecology econd Copy—Owner's Copy nird Copy—Driller's Copy

1)

WAT WELL REPORT

Start Card No. 03927

STATE OF WASHINGTON

AAF028

	Water Right Permit No.		
OWNER: Name_Apol-Richards Realty	Address P.O. Box 367, Sunnyside	WA	
CATION OF WELL: County Yakima	_ NW _% SE _% Sec 24 _ T 9	NR	23 ww
	and Rd., Grandview WA		
PROPOSED USE: A Domestic Industrial	(10) WELL LOG or ABANDONMENT PROCEDUI	d Tucture,	and show
TYPE OF WORK: Owner's number of well (If more than one)	thickness of aquifers and the kind and nature of the material in ea with at least one entry for each change of Information.	11	
Abandoned ☐ New well ☐ Method: Dug ☐ Bored ☐	MATERIAL	FROM	то
Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☒ Jetted ☐	Soil, Brown Clay & Sand	0	16
	Brown Basalt	16	24
DIMENSIONS: Diameter of well 6 inches.	Medium Gray Basalt	24 45	<u>45</u>
Third reet. Depth of completed well π.	Brown Basalt Brown & Gray Basalt & Water	55	<u>55</u> 63
CONSTRUCTION DETAILS:	Medium Gray Basalt & water	63	03 73
Casing installed: 6 Diam. from +1 ft. to 25 ft.	Brown Basalt	73 ·	83
Casing installed: $\frac{6}{4\frac{1}{2}PVC}$ Diam. from $\frac{+1}{10}$ ft. to $\frac{25}{10}$ ft. Diam. from $\frac{10}{10}$ ft. to $\frac{150}{10}$ ft.	Medium Grav Basalt	83	98
Threaded Diam. from ft. to ft.	Medium Gray Basalt w/Brown Basalt	98	115
Perforations: Yes No No	Strips		
Type of perforator used Saw Cut	Brown Sandstone & Water	115	130
SIZE of perforations 3/16 in. by 5 in.	Gray Sandstone & Water	130	142
80 perforations from 120 ft. to 150 ft.	Light Gray Clay	142	145
perforations fromft. toft.	Gray Clay	145	150
perforations fromft. toft.			
Screens: Yes No X			
Manufacturer's Name			
Diam			
	110162		
Gravel packed: Yes No Size of gravel			
	14 Ban 5 07		
Surface seal: Yes No To what depth? 23 H.	31- 7/1//		
Material used in seal Bentonite Clay	1 593 ////		
Did any strata contain unusable water? Yes No X	CFNTO MENTOS		
Type of water?Depth of strata Method of sealing strata off	REGION IN		
PUMP: Manufacturer's Name			
Туре: Н.Р			
WATER LEVELS: Land-surface elevation above mean sea level ft.			
Static level 11 tt. below top of well Date 8/23/93	***		<u> </u>
Artesian pressurelbs. per square inch Date			
(Cap, valve, etc.))	Work started 8/20/93 19 Completed 8	3/23/93	
WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 0/20/95 , 19. Completed 0	7 20, 30	, 19
Was a pump test made? Yes No X If yes, by whom?	WELL CONSTRUCTOR CERTIFICATION:		
Yield:gal./min. withft. drawdown afterhrs.	I constructed and/or accept responsibility for const		
0 ± 0 0	and its compliance with all Washington well cons Materials used and the information reported above		
Recovery data (time taken as zero when pump turned off) (water level measured	knowledge and belief.		
from well top to water level) Time Water Level Time Water Level Time Water Level	CASIS DRILLING		
	NAME 340 Lamb Land	(TYPE OF	PRINT)
	Moxee, WA 98938/		
	Address		
Date of test	(Signed)	1/25	
Bailer test gal./min. with ft. drawdown after hrs.	WELL DRIVER)	10-1437	
gal./ min. with stem set at n. lof nrs.	Desistantias		
Artesian flow g.p.m. Date8/23/93	No		_, 19
Artesian flow	MISE ADDITIONAL SUSSESSIE NICCES	CADVI	40

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy

ECL 050-1-20 (2/93) ** 1

WALER WELL REPORT

Start	Card	No.	36082

STATE OF WASHINGTON

UNIQUE WELL LD. # ABL139

Initia Copy — Uniter's Copy	Water Right Permit No.
71) OWNER: Name Leonard Brooks	Address 21 Ogle Rd., Grandview
2, LOCATION OF WELL: County Yakima	. SW 1/4 NE 1/4 Sec 15 T 9 N. F 23 WM.
(2a) STREET ADDRESS OF WELL (or nearest address) 621 Forres	st Rd., Grandview WA
(3) PROPOSED USE: Domestic Industrial Municipal	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION
☐ DeWater Test Well ☐ Other ☐	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each
(4) TYPE OF WORK: Owner's number of well (If more than one)	change of information.
Abandoned . New well . Method: Dug . Bored . Deepened . Cable . Driven.	Topsoil 0 5
Reconditioned □ Rotary 🔀 Jetted □	Brown Clay & Sand 5 57
(5) DIMENSIONS: Diameter of well 6 inche	
Drilled 100 feet. Depth of completed well 100	m. Sand, Gravel & Water 65 68
(6) CONSTRUCTION DETAILS:	Brown Basalt & Water 68 100
Casing installed: 6 Diam. from +1 ft. to 70	n
Welled	n.
Threaded Diam. from ft. to	n.
Perforations: Yes No 🖺	
Type of perforator used	_
SIZE of perforations in. by i perforations from ft. to	I :
perforations fromft. to	
perforations from ft. to	•
Screens: Yes No [X]	· · · · · · · · · · · · · · · · · · ·
Manufacturer's Name	_
Ype Model No	_
Diam. Slot size from ft. to Diam. Slot size from ft. to	ft.
Gravel packed: Yes No Size of gravel	
Gravel placed from	
Surface seal: Yes X No To what depth? 18 Material used in seal Bentonite Clay	
Did any strata contain unusable water? Yes No X	
Type of water? Depth of strata	_
Method of sealing strata off	
(7) PUMP: Manufacturer's Name	
Туре: Н.Р	- 53 - 8
(8) WATER LEVELS: Land-surface elevation above mean sea level	t.
Static level 14 ft. below top of well Date 2/2/94	
Artesian pressure lbs. per square inch Date Artesian water is controlled by	- [
(Cap, vaive, etc.)	Work Started 2/1/94 , 19. Completed 2/2/9419
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	
Was a pump test made? Yes No Y If yes, by whom?hr	
	compliance with all Washington well acceptability for Consultation of this well, and its
11 11 11 11 11 11 11 11 11 11 11 11 11	the information reported above are true to my best knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water level measured from we	OASIS DRILLING
top to water level) Time Water Level Time Water Level Time Water Level	(PERSC) A PHILOR PRINT) (TYPE OR PRINT)
	Address Moxee, WA 38936
	(Signed) License No. 1435
Date of test	(WELL DAILLER)
Bailer testgal./min. withft. drawdown afterhi	rs. Contractor's
Airtest 30 gal./min. with stem set at 100 ft. for 1 hi	Registration No. <u>OASTSD*072 J9</u> Date <u>2/3/94</u> 19 19
Artesian flowg.p.m. Date	(USE ADDITIONAL SHEETS IF NECESSARY)
NO 1	

File Original and First Copy with Department of Ecology

Second Copy—Owner's Copy Third Copy—Oriller's Copy

WA _R WELL REPORT

Start	Cord	No	01	021	6
OIMIL	Card	140			_

Water Right Permit No. _

STATE OF WASHINGTON

:41	WNER: Name Larry Ortiz Address 550 Pethany Rd, Grandview, Wa.			
(2)	LOCATION OF WELL: County Yakima . SE % NE % Sec 15 T 9 N. R 23 W.M			
(23)	STREET ADDDRESS OF WELL (or nearest address) 550 Bethan	y Rd. Grandview, Wa.		
(3)	PROPOSED USE: Domestic Industrial Municipal DeWater Test Well Other	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION		
(4)	TYPE OF WORK: Owner's number of well (if more than one)	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.		
	Abandoned New well Method: Dug Bored	MATERIAL FROM TO		
	Deepened Cable Driven	Top soil 0 1		
-	Reconditioned Rotary S Jetted	Br, clay 1 43		
(5)	DIMENSIONS: Diameter of well 6 inches.	Br. sandstone & water 43 60		
	Drilled 65 feet. Depth of completed well 65 ft.	Rotten basalt % water 60 65		
(6)	CONSTRUCTION DETAILS:			
	Casing installed: 6 · Diam. from +1 tt. to 60 tt.			
	Welded			
	Liner installed ☐			
	Perforations: Yes No			
	Type of perforator used			
	SIZE of perforations in. by in.			
	perforations fromft, toft.			
	perforations fromft. toft.			
	perforations fromft. toft.			
	Screens: Yes No X			
	Manufacturer's Name			
	Type Model No			
	DiamSlot sizefromft. toft.			
	DiamSlot sizefromft. toft.			
	Gravel packed: Yes No Size of gravel			
	Gravel placed fromft. toft.	·		
	Surface seal: Yes No To what depth? 20 ft.			
	Material used in seal Bentonite			
	Did any strata contain unusable water? Yes No	*		
	Type of water?			
	Method of sealing strata off	B B B V B AN		
(7)	PUMP: Manufacturer's Name			
	Times			
	Type:H.PH.P	2 0 1988		
(8)	above mean sea leveltt.			
	Static level 5 ft. below top of well Date 9/12/88	DEPARTMENT OF ECOLOGY		
	Artesian pressure	CENTRAL REGION OFFICE		
	Artesian water is controlled by(Cap, valve, etc.))	0.42.420		
(9)	WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 9/12/88 , 19. Completed 9/12/88 , 19		
	Was a pump test made? Yes No. If yes, by whom?	WELL CONSTRUCTOR CERTIFICATION:		
		I constructed and/or accept responsibility for construction of this well,		
	n n n	and its compliance with all Washington well construction standa		
	Recovery data (time taken as zero when pump turned off) (water level measured	Materials used and the information reported above are true to my best knowledge and belief:		
	from well top to water level) Time Water Level Time Water Level Time Water Level	Same of V		
	ind tradit cover time water caver	NAME Water Well's Drilling		
/		(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)		
		Address 5503 Ahtanum Rd, Yakima, Wa.		
	Date of test	6/ 0//1		
	Bailer test gal./min. with ft. drawdown after hrs.	(Signed) License No. 1435		
	42 65 1	Contractor's		
	Artesian flow gal./min. with stem set at ft. for hrs. Artesian flow g.p.m. Date	Registration No. WATERW*131N8 Date 9/16/88 19—		
	Temperature of water58_ Was a chemical analysis made? Yes NoX	Date		
	No La	(USE ADDITIONAL SHEETS IF NECESSARY)		

File Original ard First Copy with Department of Lology Second Copy — Owner's Copy Third Copy — Driller's Copy

WATER WELL REPORT 41

Application No.

	O Fa
(1) OWNER: Name Walland E. Ders	Address 1310 W High Way 12 Grands in
(2) LOCATION OF WELL: County VAK. 22	54-5E4 NE 14 Sec 15 T 9 N. R23 WM
; and distance from section or subdivision corner	1. /
(3) PROPOSED USE: Domestic 💢 Industrial 🗆 Municipal 🗆	(10) WELL LOG:
Irrigation ☐ Test Well ☐ Other ☐	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each
(4) TYPE OF WORK: Owner's number of well	stratum penetrated, with at least one entry for each change of formation.
(if more than one)	MATERIAL FROM TO
New well M Method: Dug	
Reconditioned Rotary Jetted	DEOEIVE
	RECEIVED
(5) DIMENSIONS: Diameter of well inches.	
Drilled 100 ft. Depth of completed well 10/ ft.	DED 0.7 107
(C) CONSTRUCTION DEMANDS	<u> </u>
(6) CONSTRUCTION DETAILS:	DEPARTMENT OF ECOLOGY
Casing installed:	SPONANT PEOLOGY
Threaded That is ft. to ft.	SPOKANE REGIONAL OFFICE
Welded Diam. from ft. to ft.	
Perforations: Yes No	
Type of perforator used	
SIZE of perforations in. by in.	
perforations from ft. to ft.	-NED
perforations from ft. to ft.	DECT VET
perforations from ft. to ft.	KEUS
Screens: Yes No M	- 10
Manufacturer's Name.	UES THE
Type Model No	
Diam ft. to ft.	TO DELIVERY ON OF FICE
Diam Slot size from ft. to ft.	DEPARTMENT OF ECOLOGY SPOKANE REGIONAL OFFICE
Gravel packed: Yes No M Size of gravel:	- Chlusing
Gravel packed: Yes No A Size of gravel:	
Surface seal: Yes No 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	
(7) PUMP: Manufacturer's Name	
Type: HP	
(8) WATER LEVELS: Land-surface elevation	
above mean sea level ft.	- 07 52 11 11 11
Static level X tt. below top of well Date 7 - 1973. Artesian pressure lbs. per square inch Date	
Artesian water is controlled by	See
(Cap, valve, etc.)	
(9) WELL TESTS: Drawdown is amount water level is	
lowered below static level	Work started, 19, Completed, 19
Was a pump test made? Yes \(\) No \(\) If yes, by whom?	WELL DRILLER'S STATEMENT:
10 1 0 <u>1</u> 0 0	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water level	
measured from well top to water level)	NAME
Time Water Level Time Water Level Time Water Level	NAME. (Person, firm, or corporation) (Type or print)
	Address
10.72	
ie of test 44/14/17/17	[Signed](Well Driller)
t 9 0 0 gal/min. with 1 0 ft. drawdown after 13hrs.	(Well Driller)
106	License No
tre of water Was a chemical analysis made? Year No A	Date

APPENDIX H



Photograph 1: Looking north from the site.



Photograph 2: Looking east from the site



Photograph 3: Looking west from the site

G:\REPORTS\REP-1295.PIC



Phyotograph 4: Looking south from the site



Photograph 5: 5,000 gallon tank



Photograph 6: 8,000 gallon tank.

APPENDIX I

R. E. POWELL DISTRIBUTING CO.

Phone 882-2115

P.O. Box 98

3.22-952

GRANDVIEW, WASHINGTON 98930

For Value Received

R.E. Powell Distributing hereby sells one used 8,000 gallon underground tank to Larry Loges.

It us understood that this underground tank has been used to store gasoline petroleum product and is not to be used for watering livestock. Also it is understood that an underground tank is designed only for underground use.

Agreed and Accepted