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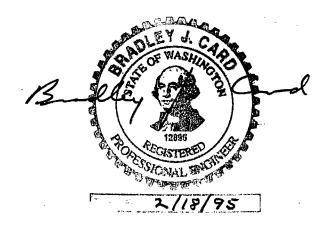
SITE ASSESSMENT ENGINEERING REPORT



ON

UNDERGROUND STORAGE TANK REMOVAL AND INTERMEDIATE SOIL CLEANUP YAKIMA FIRE PROTECTION DISTRICT NO. 12

Yakima, Washington



August, 1994

Job No. 94082

Prepared by

PLSA ENGINEERING & SURVEYING
WDOE LIC. NO. S000210
1120 West Lincoln Avenue
Yakima, WA 98902
(509) 575-6990

SEP - 8 1994

SITE ASSESSMENT ENGINEERING REPORT

on

UNDERGROUND STORAGE TANK REMOVAL AND INTERMEDIATE SOIL CLEANUP

for

YAKIMA COUNTY FIRE PROTECTION DISTRICT NO. 12

Yakima, Washington

INTRODUCTION

Effort to comply with current laws and regulations relating to underground storage tanks prompted Yakima County Fire Protection District No. 12 to remove a 285 gallon, steel, underground gasoline storage tank, and a 285 gallon, steel underground diesel storage tank from their premises at 7707 Tieton Drive, Yakima, Washington. During tank removal, petroleum contaminated soil (PCS) was observed under the pump in the diesel tank basin. The tanks were located at SW 1/4, SW 1/4, SEC 20, TWP 13N, R18-EWM. See Figure 1.

This report summarizes site conditions and proposes cleanup and disposal of petroleum contaminated soil (PCS) including the results of laboratory testing of representative soil and water samples for presence of Total Petroleum Hydrocarbons (TPH), BTEX, lead, and characterization of the spilled petroleum by WTPH-HCID as appropriate. A geologist from PLSA Engineering and Surveying, WDOE License No. S000210, experienced with local soil conditions recently monitored removal of the underground storage tanks (UST's).

Tank removal was conducted by personel from West Valley Fire Station. Tanks and associated piping were removed from the basin.

The owner's representative and contact person for this project is as follows:

Chief Tom Wilson
Yakima Fire Protection District No. 12
7707 Tieton Drive
Yakima, Washington 98908
phone (509) 966-3111

SEP - 8 1994

SITE BACKGROUND

The 285 gallon unleaded gasoline tank has been used for approximately 10 years. The 285 gallon diesel tank has been used for 5 years. The neighboring areas consist of orchards to the north and east, a church to the west, with rural family houses and orchards to the south.

SURFACE CONDITIONS

A concrete asphalt parking area covered the tank basins. The two tanks were located north of the fire station.

SUB-SURFACE CONDITIONS

The tank was bedded through a thin layer of sandy, silt topsoil(USCS classification ML) and into a stratum of well cemented gravels (Ellenburg Fm). The water table is seasonally variable with the irrigation. Free groundwater was not encountered 9 feet below the surface at the bottom of the tank basins. Highest groundwater elevation is estimated to be 40 feet below the surface, from an adjacent property owner's well log.

From general topography, it appears that the groundwater hydraulic gradient is to the southeast.

SAMPLING PLAN

Representative soil samples were collected from the tank basins. Sample containers supplied by the analytical laboratory were clean glass with teflon lined, screwed caps. Sampling equipment was cleaned with non-petroleum based detergent between samplings.

Cleanup sampling plan will be similar to that above. Cleanup samples will be designated by "FD" followed by a number.

Sound Analytical Laboratories, WDOE accreditation C027, in Fife, Washington has been selected to perform the analyses. Quality control procedures are on file at Sound Analytical.

All samples were stored under refrigeration and shipped to the laboratory by overnight express in a refrigerated, insulated container. Copies of Chain of Custody are in Appendix II.

CONTAMINANT CHARACTERIZATION

A petroleum stain was observed when the underground diesel tank basin soil was disturbed at one location, and a sample was collected. This, and other samples from the underground tank basins, were submitted to a laboratory for analysis for characterization by WTPH-HCID, and WTPH-418.1. Results of laboratory analyses are found in Appendix I.

285 GALLON BIESEL TANK CONCRETE 285 GALLON GAS TANK a 1 1 1 1 1 1 WEST VALLEY FIRE STATION SCALE : I"= 20"

TIETON DRIVE

LEGEND

(8) = SAMPLE LOCATION & NUMBER

FIGURE I.

TANK REMOVAL LOCATION YAKIMA COUNTY F.P.D. # 12

Diesel was the only contaminant found in excess of Model Toxics Control Act (WAC 173-340) cleanup limits.

CLEANUP ALTERNATIVES

Cleanup by excavation and land farming off-site is the selected soil remediation strategy. Due to limited area available on site for soil treatment, the PCS will be taken to Rocky Top Land Farm.

CONTAMINANT REMOVAL

A Photovac TIP 1 photoanalyzer was used to detect VOC's as contaminated soil was removed until significant readings were no longer obtained. Representative soil samples were then collected and submitted for laboratory analysis to verify the TIP results.

DISPOSAL OF CONTAMINATED SOIL

The estimated volume of contaminated soil is 5 cubic yards. Remediation of soil will be at Rocky Top Land Farm.

SITE CLOSURE

The tank basin will be backfilled with clean fill and the surface covered with concrete to its former condition.

TANK AND PIPING DISPOSAL

Piping was within the tank basin and was disposed of as scrap along with the tank.

RISK ASSESSMENT

Contamination level of diesel under the pump was high during charactization sampling. After additional PCS was removed another sample was taken and contamination levels were reduced to half of the original levels. See Sample Results, Table 1.

Because of the nature of the site as an active fire station it would not be feasible to impair its readiness ability to the surrounding community by further cleanup at this time. The residual amount of PCS remaining is 9 feet below the surface and all areas except the tank basin are covered with concrete. The tank basin is to be recovered with concrete which will isolate the pcs from percolating surface water. A chain link fence also keeps people from entering the site from the north, east and west.

The nearest water well to the site has a hydrostatic level 50 feet below the surface. Water well logs are in Appendix IV.

APPENDIX I ANALYTICAL RESULTS

SAMPLE RESULTS Units are in PPM (mg/Kg)

Sample Number	FD-1*	FD-2	FD-3	FD-4	FD-5	FD-6	FD-7*	FD-8	FD-9
WTPH-HCID Gasoline	<20	<20	<20	<20	<20	<20	720	F	占
WTPH-HCID Diesel	<50	<50	<50	05>	05>	200	750	Ŋ	P
WTPH-HCID Heavy Oil	<100	<100	<100	<100	<100	<100	<100	MT	IN
Benzene	2	9	2	M	NT	IN	IN	NT	IN
Toluene	0.081	9	2	Ŋ	NT	IN	IN	NT	NT
Ethyl Benzene	0.72	0.99	Q	IN	IN	IN	IN	M	N
Xylenes	4.9	1.7	Q	M	NT	IN	IN	IN	IN
Lead	230	220	160	NT	NT	IN	IN	NT	IN
WTPH-Diesel	М	MT	N	N	IN	IN	12000	4300	0029

<=Less than >=Greater than ND=Non detected

NT=Not tested *=Characterization samples

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: PLSA Engineering

Date: March 25, 1994

Report On: Analysis of Soil

Lab No.: 38895

IDENTIFICATION:

Samples received on 03-22-94

Project: 94082

ANALYSIS:

Lab Sample No. 38895-1

Client ID: FPD-1

WTPH-HCID

Date Extracted: 3-22-94

Date Analyzed: 3-22-94

Units: mg/kg

<u>Parameters</u>	Result	Flag
Gasoline (C7-C12)	< 20	
Diesel (> C12 - C24)	< 50	
Heavy Oil	> 100	

SURROGATE RECOVERY, %

1-chlorooctane	87
o-terphenyl	85

WTPH-418.1 Modified Date Extracted: 3-23-94 Date Analyzed: 3-24-94 Units: mg/kg

Parameter

Result

Heavy petroleum oils

< 100

(C24+)

PLSA Engineering Project: 94082 Lab No. 38895 March 25, 1994

Lab Sample No. 38895-1

Client ID: FPD-

BTEX by Method 8020 Date Extracted: 3-22-94 Date Analyzed: 3-22-94 Units: mg/kg

<u>Parameter</u>	Result	POL	Flag
Benzene Toluene Ethyl Benzene Xylenes	ND 0.081 0.72 4.9	0.07 0.07 0.07 0.07	
SURROGATE RECOVERY, &			
Trifluorotoluene	71		

ICP Metals Per EPA Method 6010 Date Analyzed: 3-22-94 Units: mg/kg

<u>Parameter</u>	Result	\underline{POL}
Lead	230	2.6

ND - Not Detected PQL - Practical Quantitation Limit

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: PLSA Engineering

Date: March 28, 1994

Report On: Analysis of Soil

Lab No.: 38955

IDENTIFICATION:

Samples received on 03-24-94

Project: 94082

ANALYSIS:

Lab Sample No. 38955-1

Client ID: FD-2

WTPH-HCID

Date Extracted: 3-24-94

Date Analyzed: 3-28-94

Units: mg/kg

<u>Parameters</u>	Result	<u>Flag</u>
Gasoline (C7-C12)	< 20	
Diesel (> C12 - C24)	< 50	•
Heavy Oil (C24+)	< 100	
SURROGATE RECOVERY, %		
1-chlorooctane o-terphenyl	84 92	

PLSA Engineering Project: 94078 Lab No. 38955 March 28, 1994

Lab Sample No. 38955-1

Client ID: FD-2

BTEX by EPA Method 8020 Date Extracted: 3-24-94 Date Analyzed: 3-24-94

Units: mg/kg

<u>Parameter</u>	Result	POL	Flag
Benzene	ND	0.07	
Toluene	ND	0.07	
Ethyl Benzene	0.99	0.07	
Xylenes	1.7	0.07	

SURROGATE RECOVERY, %

Trifluorotoluene

63

ICP Metals Per EPA Method 6010 Date Analyzed: 3-25-94 Units: mg/kg

<u>Parameter</u>	<u>Result</u>	<u>PQL</u>
Lead	220	2.5

ND - Not Detected

PQL - Practical Quantitation Limit

PLSA Engineering Project: 94078 Lab No. 38955 March 28, 1994

Lab Sample No. 38955-2

Client ID: FD-3

WTPH-HCID

Date Extracted: 3-24-94 Date Analyzed: 3-28-94

Units: mg/kg

<u>Parameters</u>	Result	<u>Flag</u>
Gasoline (C7-C12)	< 20	
Diesel (> C12 - C24)	< 50	
Heavy Oil (C24+)	< 100	
SURROGATE RECOVERY, %		,
1-chlorooctane o-terphenyl	88 96	

PLSA Engineering Project: 94078 Lab No. 38955 March 28, 1994

Lab Sample No. 38955-2

Client ID: FD-3

BTEX by EPA Method 8020 Date Extracted: 3-24-94 Date Analyzed: 3-24-94 Units: mg/kg

<u>Parameter</u>	Result	<u>PQL</u>	<u>Flag</u>
Benzene	ND	0.06	
Toluene	ND	0.06	
Ethyl Benzene	ND	0.06	
Xylenes	ND	0.06	

SURROGATE RECOVERY, %

Trifluorotoluene

75

ICP Metals Per EPA Method 6010 Date Analyzed: 3-25-94 Units: mg/kg

<u>Parameter</u>	<u>Result</u>	<u>PQL</u>
Lead	160	2.7

ND - Not Detected

PQL - Practical Quantitation Limit

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS 4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: PLSA Engineering

Date: April 4, 1994

Report On: Analysis of Soil

Lab No.: 39065

IDENTIFICATION:

Samples received on 03-29-94

Project: 94082

ANALYSIS:

Lab Sample No. 39065-1

Client ID: FD-4

WTPH-HCID

Date Extracted: 3-29-94

Date Analyzed: 3-30-94

Units: mg/kg

<u>Parameters</u>	Result	<u>Flag</u>
Gasoline (C7-C12)	< 20	
Diesel (> C12 - C24)	< 50	
Heavy Oil (C24+)	< 100	
SURROGATE RECOVERY, %		
1-chlorooctane o-terphenyl	78 88	

PLSA Engineering Project: 94082 Lab No. 39065 April 4, 1994

o-terphenyl

Lab Sample No. 39065-2

Client ID: FD-5

WTPH-HCID

Date Extracted: 3-29-94

Date Analyzed: 3-30-94

Units: mg/kg

81

<u>Parameters</u>	Result	Flag
Gasoline (C7-C12)	< 20	
Diesel (> C12 - C24)	< 50	
Heavy Oil (C24+)	< 100	
SURROGATE RECOVERY, %		,
1-chlorooctane	70	

PLSA Engineering Project: 94082 Lab No. 39065 April 4, 1994

Lab Sample No. 39065-3

Client ID: FD-6

WTPH-HCID
Date Extracted: 3-29-94
Date Analyzed: 3-30-94
Units: mg/kg

 Parameters
 Result
 Flag

 Gasoline (C7-C12)
 < 20</td>

 Diesel (> C12-C24)
 < 50</td>

 Heavy Oil (C24+)
 < 100</td>

SURROGATE RECOVERY, %

1-chlorooctane	66
o-terphenyl	79

PLSA Engineering Project: 94082 Lab No. 39065 April 4, 1994

Lab Sample No. 39065-4

Client ID: FD-7

WTPH-HCID

Date Extracted: 3-29-94

Date Analyzed: 3-30-94

Units: mg/kg

<u>Parameters</u>	Result	<u>Flag</u>
Gasoline (C7-C12)	> 20	
Diesel (> C12 - C24)	> 50	
Heavy Oil (C24+)	< 100	
SURROGATE RECOVERY, %		
1-chlorooctane	95 99	

WTPH-D

Date Extracted: 3-30-94

Date Analyzed: 4-1-94

Units: mg/kg

<u>Parameter</u>	<u>Result</u>	POL	Flag
Diesel (> C12 - C24)	12,000	630	
SURROGATE RECOVERY, % o-terphenyl	NR		X8

ND - Not Detected PQL - Practical Quantitation Limit

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: PLSA Engineering

Date: May 6, 1994

Report On: Analysis of Soil

Lab No.: 39966

IDENTIFICATION:

Samples received on 05-05-94

Project: 94082

ANALYSIS:

WTPH-D

Date Extracted: 5-5-94
Date Analyzed: 5-6-94

Units: mg/kg

Lab Sample No. 39966-1

Client ID: FD-8

<u>Parameter</u>	<u>Result</u>	POL	<u>Flag</u>
Diesel (> C12 - C24)	4,300	31	E
SURROGATE RECOVERY, % o-terphenyl	143		

Lab Sample No. 39966-2

Client ID: FD-9

<u>Parameter</u>	Result	POL	<u>Flag</u>
Diesel (> C12 - C24)	6,700	31	E
SURROGATE RECOVERY, % o-terphenyl	170		х9

PQL - Practical Quantitation Limit

APPENDIX II CHAIN OF CUSTODY

ANALYTICAL & ENVIRONMENTAL CHEMISTS

Tacoma, Washington 98424 (206) 922-2310 • FAX (206) 922-5047 4813 Pacific Hwy. East

CHAIN OF CUSTODY / REQUEST FOR LABORATORY ANALYSIS **UST PARAMETERS**

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ANALYTICAL & ENVIRONMENTAL CHEMISTS

UST PARAMETERS

(206) 922-2310 • FAX (206) 922-5047

Tacoma, Washington 98424 4813 Pacific Hwy. East

CHAIN OF CUSTODY / REQUEST FOR LABORATORY ANALYSIS

DEFINEBABLES CLOSURE Total Halogens Metals SPECIAL INSTRUCTIONS/COMMENTS: Semi-volatiles

EPA 625/8270 GC/MS Volatile Organica EPA 624/8240 GC/MS Aromatic Volatiles EPA 602/8020 RUSH Halogenated Volatiles e'HA9 bcB,8 12-Ce 3-23 Time / Date TCLP Lead Specify State UA Total Lead Jans 9.3 M2108 H9T TPH-G / BTEX X3T8 ANALYSIS REQUESTED: PSSA 1.814 H9T **G-H9T** D-H9T 7307V/\ 510.7 Printed, Name HCID # of Containers TIME MATRIX りる 0669 PROJECT NAME: 94082 515 2/23 DATE Signature PHONE NO: 509 SAMPLE 1.D. F0-3 FD-2 CONTACT: Relinquished By Relinquished By Relinquished By CLIENT: Received By Received By Received By LAB #

ANALYTICAL & ENVIRONMENTAL CHEMISTS

/ REQUEST FOR LABORATORY ANALYSIS **UST PARAMETERS** CHAIN OF CUSTODY

(206) 922-2310 • FAX (206) 922-5047

Tacoma, Washington 98424 4813 Pacific Hwy. East

DEFINEBABLES CLOSURE SAMPUS I OUS (FO 4,546) Total Halogens PLEASS RUSH Metals Semi-volatiles

Semi-volatiles SPECIAL INSTRUCTIONS/COMMENTS: Volatile Organica

Volatile Organica Aromatic Volatiles EPA 602/8020 Halogenated Volatiles PPA 601/8010 Phenols s'HA9 129/1001 bcB,2 3.28-94 200 Time / Date TCLP Lead 4 Total Lead Specify State 00:00 M2108 H9T 14 14 18 TPH-G / BTEX X3T8 ANALYSIS REQUESTED: N.A. RSA Firm 1.814 H9T **G-H9T** D-H9T でなどで Luis Valoer Printed Name HCID # of Containers TIME MATRIX 18 575690 ۲ PROJECT NAME: 94082 2/28 DATE Signature 7 7 PUNA n SAMPLE I.D. CONTACT: (LUIS 2-000 4-00 PO PED-S PHONE NO: Relinquished By Relinquished By Relinquished By CLIENT: Received By Received By Received By 1 LAB#

ANALYTICAL & ENVIRONMENTAL CHEMISTS

UST PARAMETERS

Tacoma, Washington 98424 (206) 922-2310 • FAX (206) 922-5047 4813 Pacific Hwy. East

CHAIN OF CUSTODY / REQUEST FOR LABORATORY ANALYSIS

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APPENDIX III

INDEPENDENT REMEDIAL ACTION REPORT SUMMARY



Independent Remedial Action Report Summary

This report summary is an important part of the Independent Remedial Action Report. Please complete the summary and submit it with your Independent Remedial Action Report. If this document does not accompany your cleanup report, or if it is not fully completed, your report cannot enter the review process necessary for Ecology to provide you with a "no further action" determination, or to remove your site from the hazardous sites lists.

	.
FOR ECOLOGY USE ONLY	☐ NFA
ERTS No. TCP LD: No. Date Received	SHA Referral Interim Action
Raylswed by Initial Investigation (Date)	Emergency Action

PLEASE PRINT CLEARLY OR TYPE

Complete all of the following:

GENERAL INFORMATION

Name of Site Owner Yakima County Fire Department	Phone 509–966–3111
Address	
7707 Tieton Drive Yakima, WA 98908	
Authorized Contact	Phone
Tom Wilson	509-966-3111
Name of Facility Operator	Phone
Yakima Co. Fire Protection Dist. No. 12	509-966-3111
Address	
7707 Tieton Drive, Yakima, WA 98908	•
Authorized Contact	Phone
Tom Wilson	
Name of Consultant	Phone
Luis Valdez	509-575-6990
Name of Firm	
PLSA Engineering & Surveying	
Address	
1120 West Lincoln Avenue, Yakima, WA 98902	
Please indicate which of the above persons completed this report. If the report was a above, please provide their name, address, and a daytime phone.	completed by someone other than listed
Luis Valdez	

REPORT INFORMATION

Туре	of Report (check one)	Is this a Leaking Underground Storage Tank (LUST)
	•	report? Yes 🖸 No 🛄
<u> </u>	Combined release and independent remedial action report	Date release was reported to Ecology
	independent remedial action report	April 20, 94
	Interim Action Report	Date cleanup was completed
-	Final Cleanup Action Report	May 4, 94

ECY 020-73 (2/93) .

FACILITY INFORMATION

Site Name			
West Valley Fire Station			
Other Names (the site may be known as)		<u> </u>	
Site Contact Person If Other Than Owner/Operator (This mauthorized and qualified to answer questions about the site knowledge about the site and the remediation.) Name Tom Wilson - Chief			al business hours and has
Site Mailing Address (or site contact mailing address)			
7707 Tieton Drive Yakima, WA 98908			
Site Location Address (including zip code)			·
• .		•	
Closest City	County (vhere site is located)	
Yakima	Yaki	ma	
Township 13 Range 18 Section_		Quarter-Quarter_SW-SW	Meridian
Longitude: Degree		Minute	Second
Latitude: Degree		Minute	Second
operator for the facility. (For example, if the property owner boxes under owner identification column in the municipal, o	ode #2 row,	and under the operator identi	fication column in the private
party, code #1 row.)	0-4-4	Company I de militare Nom	On creates Identification
Ownership/OperatorType	Code#	Owner Identification	Operator Identification
Ownership/OperatorType Private Party	1	Owner Identification	Operator Identification
Ownership/OperatorType Private Party Municipal (Public)	1 2		Operator Identification
Ownership/OperatorType Private Party Municipal (Public) County	1 2 3	Owner Identification X	Operator Identification X
Ownership/OperatorType Private Party Municipal (Public) County Federal	1 2 3 4		Operator Identification X
Ownership/OperatorType Private Party Municipal (Public) County Federal State	1 2 3 4 5 5		Operator Identification X
Ownership/OperatorType Private Party Municipal (Public) County Federal State Tribal	1 2 3 4		Operator Identification X
Ownership/OperatorType Private Party Municipal (Public) County Federal State	1 2 3 4 5 6		Operator Identification X
Ownership/OperatorType Private Party Municipal (Public) County Federal State Tribal Mixed	1 2 3 4 5 6 7		Operator Identification X
Ownership/OperatorType Private Party Municipal (Public) County Federal State Tribal Mixed Other	1 2 3 4 5 6 7 8		Operator Identification X
Ownership/OperatorType Private Party Municipal (Public) County Federal State Tribal Mixed Other Unknown	1 2 3 4 4 5 6 7 8 9 9		Operator Identification X
Ownership/OperatorType Private Party Municipal (Public) County Federal State Tribal Mixed Other Unknown Public Entity Acquisition through Bankruptcy Financial Institution Acquisition through Bankruptcy Standard Industrial Classification (SIC) Codes. List all activities conducted at the site, e.g., automotive repair and	1 2 3 4 4 5 6 7 8 9 10 11 het apply. If	X none apply, or if you don't kr	X X ow your SIC code, list
Ownership/OperatorType Private Party Municipal (Public) County Federal State Tribal Mixed Other Unknown Public Entity Acquisition through Bankruptcy Financial Institution Acquisition (SIC) Codes. List all activities conducted at the site, e.g., automotive repair and Fire Station	1 2 3 4 5 6 7 8 9 10 11 hat apply. If maintenance	X none apply, or if you don't kr	X Now your SIC code, list rage, etc.
Ownership/OperatorType Private Party Municipal (Public) County Federal State Tribal Mixed Other Unknown Public Entity Acquisition through Bankruptcy Financial Institution Acquisition through Bankruptcy Standard Industrial Classification (SIC) Codes. List all activities conducted at the site, e.g., automotive repair and Fire Station Hazardous Substance Management Practice(s). The hazardous Substance Management Practice(s).	1 2 3 4 4 5 6 7 8 9 10 11 hat apply. If maintenance	none apply, or if you don't kr , construction equipment sto stance(s) cleaned up from th	X Now your SIC code, list rage, etc.
Ownership/OperatorType Private Party Municipal (Public) County Federal State Tribal Mixed Other Unknown Public Entity Acquisition through Bankruptcy Financial Institution Acquisition through Bankruptcy Standard Industrial Classification (SIC) Codes. List all activities conducted at the site, e.g., automotive repair and Fire Station Hazardous Substance Management Practice(s). The he of the following sources, activities, or actions? Please circ	1 2 3 4 4 5 6 7 8 9 10 11 hat apply. If maintenance	none apply, or if you don't kr , construction equipment sto stance(s) cleaned up from th ply to the facility.	X X Iow your SIC code, list rage, etc.
Ownership/OperatorType Private Party Municipal (Public) County Federal State Tribal Mixed Other Unknown Public Entity Acquisition through Bankruptcy Financial Institution Acquisition through Bankruptcy Standard Industrial Classification (SIC) Codes. List all activities conducted at the site, e.g., automotive repair and Fire Station Hazardous Substance Management Practice(s). The head the following sources, activities, or actions? Please circated the site of the following sources, activities, or actions? Please circated the site of the following sources, activities, or actions? Please circated the site of the following sources, activities, or actions? Please circated the site of the following sources activities, or actions? Please circated the site of the following sources activities, or actions? Please circated the site of the following sources activities activitie	1 2 3 4 4 5 6 7 8 9 10 11 hat apply. If maintenance	None apply, or if you don't krow, construction equipment ato stance(s) cleaned up from the ply to the facility.	x now your SIC code, list rage, etc. e site was the result of which
Ownership/OperatorType Private Party Municipal (Public) County Federal State Tribal Mixed Other Unknown Public Entity Acquisition through Bankruptcy Financial Institution Acquisition through Bankruptcy Standard Industrial Classification (SIC) Codes. List all activities conducted at the site, e.g., automotive repair and Fire Station Hazardous Substance Management Practice(s). The had of the following sources, activities, or actions? Please circally activities and the site of the following sources activities, or actions? Please circally activities activities.	1 2 3 4 4 5 6 7 8 9 10 11 hat apply. If maintenance	none apply, or if you don't kr , construction equipment sto stance(s) cleaned up from th ply to the facility. 9 = A Spill 10 = Storm 11 = Leakin	x iow your SIC code, list rage, etc. e site was the result of which

RELEASE INFORMATION

Date of Release (if kn	awa)		ח	ata of	Discov	erv		_		Are the	YO 901	وططمان	200	05.045		4	10
Date 61 (1010000 (11701	J,	•	1		20,	•				Yes	,, a a		vo Vo	l⊟ ays	Unkn		
•					20,			_ •	l					 -			_
if drinking water systems public, priva							inking ided?	water:	syste Yes	ms are		id, has Io		ate dri Unkno		vater b	een
General Hazardous Substance Categories Using the contaminants listed below, complete the table. (A more detailed description of the contaminants can be found in Appendix A of the guidance.)																	
	Contaminants. For each of the applicable contaminants, enter the status of the contaminants: C = Confirmed or S = Suspected (Codefined in Appendix A of the guidance.)						nants, enter the appropriate letter designating the Suspected (Contaminant status definitions are										
Affected Media	Halogenated Organic Compounds	Metals - Priority Pollutants	Metals - Other	Polychlorinated Bi-Phenyls (PCBs)	Pesticides/Herbicides	Petroleum Products	Phenolic Compounds	Non-Halogenated Solvents	Dioxins	Polynuclear Aromatic Hydrocarbons (PAH)	Reactive Wastes	Corrosive Wastes	Radioactive Wastes	Conventional Contaminants - Organics	Conventional Contaminants - Inorganic	Base/Neutral Organic Compounds	Asbestos
Ground Water																	
Surface Water																	
Drinking Water													. • • .				
Soil						С											·
Air																	

CLEANUP INFORMATION

Indicate cleanup level methods used by completing Table 5-A below. (Check all that apply)

TABLE 5-A				·	
	Soil	Ground Water	Air	Surface Water	
Method A	X				
В	·				
C .					
Have these levels been met throughout the site? (circle only one)	YES NO	YES NO	YES NO	YES NO	

CLEANUP INFORMATION (continued)

Indicate the treatment methods used by completing Tables 5-B through 5-D below. (Check all that apply)

	Destruction or Detoxification				Media Transfer			
	Carbon Adsorption ¹	Biological Treatment	Chemical Destruction	incineration	Air Stripping/ Air Sparging	Aeration/Vapor Extraction	Thermal Description	
Soil	-NA-				-NA-			
Ground Water				-NA		-NA-	-NA-	
Surface Water				-NA-		-NA-	-NA-	
Air		-NA-				-NA-	•	
Wastes	-NA-				-NA-	-NA-	-NA-	
	lowed by regenera nd off-site landfill.	ition; use of granu	lar activated carbo	r followed by landf	illing would be clas	sifled in these tables	as volum e	

	lmmob	illzatlon	Reuse/Recycling ²	. Separation/Volume Reduction			
	Vitrification	Solidification/ Stabilization		Solvent Extraction	Soil Washing	Physical Separation ³	
Soil			,				
Ground Water	-NA-	-NA-	[-NA-	-NA-		
Surface Water	-NA-	-NA-		-NA-	-NA-		
Wastes					'		

	Land Disposa	l/Containment	Institutional Controls	Others		
	Containment or					
	On-site Landfill	Off-site Landfill		Specify treatment method		
Soil						
Ground Water		-NA-				
Surface Water	-NA-	-NA-				
Wastes						

LUST SITE INFORMATION

Type of product releas	ed (check one)			Approx. Tank Size: 285	_ gais
Leaded Gas	Diesel 🗵	Waste Oil			
	· - -	-	_	Was free product encountered?	-
Unleaded Gas	Heating Oil	Other	(Identify)	Yes ☐ No ☒	

ENVIRONMENTAL INDICATORS

Answer the following questions as they are applicable to y How many cubic yards of soil have been treated?	our site:				-		
Where soil treatment was conducted, was it done on-site	, or both? (circle one)						
How many cubic yards of soil have been disposed of off-s	(Calculate th		ese quantities of soil while the soil is			in	
Identify the off-site location(s) where soil was disposed	Rocky	Top	place, prior to Landfarm	any excavation Yakima,	on and/or WA	treatment.)	· .
If ground water pump and treatment was conducted, how How many years is the ground water extraction system ex					ed to date	9?	_ gals. _ yrs.

APPENDIX IV

WATER WELL LOGS

WATER WELL REPOR

Application No.

			· Sandania
Permit	No.	 	

(1) OWNER: Name /4/11 may Eyung 1/1041 Church (2) LOCATION OF WELL: County / A H 722 4 - 56 1/ 1/ W/4 Sec 29 T/3 N, R/2WM Bearing and distance from section or subdivision corner (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 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 New well Method: Dug Bored [JUP SOIL, SILI Deepened Cable [, Driven 🛘 10 Reconditioned [Rotary 🗂 Jetted 🛘 (5) DIMENSIONS: Diameter of well Drilled 141 ft. Depth of completed well 140 ft. (6) CONSTRUCTION DETAILS: Brown W/some 1t. to ft. to ft. ft. to ft. Welded Perforations: Yes 🗆 No 🗹 Type of perforator used..... SIZE of perforations in. by in. perforations from ft. to ft. perforations from ft. to ft. perforations from _____ ft. to _____ ft. 99 141 Screens: Yes 🗆 No 🗹 Manufacturer's Name.... Type...... Model No..... Diam, Slot size from ft. to ft. Diam. Slot size from ft. to ft. Gravel packed: Yes | No | Size of gravel: Gravel placed from ft. to ft. Surface seal: Yes No D To what depth? 20 f tt.

Material used in seal 324101170 Did any strata contain unusable water? Yes 🗌 Type of water?..... Depth of strata..... Method of sealing strata off..... (7) PUMP: Manufacturer's Name..... (8) WATER LEVELS: Land-surface elevation above mean sea level.... Static levelft. below top of well Date..... AUG Z Artesian pressurelbs. per square inch Date.... Artesian water is controlled by (Cap, valve, etc.) DEPARTMENT OF ECOLOGY CENTRAL REGION OFFICE Drawdown is amount water level is lowered below static level (9) WELL TESTS: Work started 6 Was a pump test made? Yes [No [] If yes, by whom?... Yield: gal./min. with ft. drawdown after WELL DRILLER'S STATEMENT: hrs ,, 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 (Person, firm, or corporation) (Type or print) Time Water Level | Time Water Level | Water Level ------Address 1308 Hoalher Avo Yakinggal./min. with.....ft. drawdown after....hrs.g.p.m. Date..... License No. Qu'73 Date 6-11 1987

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ECY 050-1-20 (10/87) -1329-

Start Card No. ______036694

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Third Copy—Driller's Copy

STATE OF WASHINGTON

	Copy—Driller's Copy STATE OF	Washington Water Right Permit No. <u>G3-21664</u>	P	
(1)	OWNER: Name Arthur Hallauer	Address 912 S. 72nd, Yakima, WA		
	LOCATION OF WELL: CountyYakima STREET ADDDRESS OF WELL (or nearest address)	NE¼ SE NW Sec 29 T	13 _{N., R}	18_ _{W.M.}
	PROPOSED USE: ☐ Domestic	(10) WELL LOG or ABANDONMENT PROCEDU		
	DIacement C Source	thickness of aquifers and the kind and nature of the material in e with at least one entry for each change of information.		
(4)	TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM-31	то
	Abandoned			
RE	Deepened	Top soil, sandy clay, brown	0	15
(5)	DIMENSIONS: Diameter of well 6" inches.	Sandston, gravel, black, brown	15	18
•	Drilled 97 feet. Depth of completed well 97 ft.		n,	
(e)	CONSTRUCTION DETAILS:	trace	18	24
(O)		Sandy clay, pea gravel, brown	24	36
	Casing installed: 6 Diam. from +1 ft. to 59 ft Weided OX 4"PVC Diam. from 17 ft. to 97 ft	Chay shaustone	36	_53
	Liner installed X	Tan Cray, Sandstone, Ordan	53	_58
		Brown Sandstone	58	_69
	Perforations: Yes No Skill Saw	Malty colored snadston w/water	69	_97
	SIZE of perforations 6" Long in by 1/8" Wide in		+	
	perforations from 57 ft. to 97 ft.			
	perforations fromft. tof		1 1	
	perforations from ft. to f	1.		Martin Control - North of
	Screens: Yes No X		丰 音 副	[2 [4]
	Manufacturer's Name		F. Service Commence	
	Type Model No	- [-	
Ŧ	Diamft. toft.	i	P (354	السران أ
	Diam. Slot size from ft. to f		 	
	Gravel packed: Yes No X Size of gravel	CIL D. L. CIL	1	
	Gravel placed from ft. to ft.	6" Drive Shoe		· ·
	Surface seal: Yes No To what depth? 18	1.		
	Did any strata contain unusable water? Yes No			
	Type of water?Depth of strata	_	-	
	Method of sealing strata off			
7)	PUMP: Manufacturer's Name			
	Туре:			
(8)	WATER LEVELS: Land-surface elevation above mean sea level		1	
	Static level ft. below top of well Date			
•	Artesian pressure	- 100 1 10 3 3 5		9 ET.
	Artesian water is controlled by(Cap, valve, etc.))	Work started 9/13/90 19 Completed 9/	14/90	
9)	WELL TESTS: Drawdown is amount water level is lowered below static level		14/30	
	Was a pump test made? Yes No If yes, by whom?	WELL CONSTRUCTOR CERTIFICATION:		
	Yield: 50 gal./min. with ft. drawdown after hrs	I constructed and/or accept responsibility for con-		
	DSC ATC-TITC	and its compliance with all Washington well com Materials used and the information reported above		
	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	knowledge and belief.	18 <i>4</i> 12% 1111 7	TNIC!
		NAME PONDEROSA DRILLING & DEVELOF (PERSON, FIRM, OR CORPORATION)	(TYPE OR	PRINT)
		Address E. 6010 Broadway, Spokane,	<u>WA 99</u>	212
	Date of test	Star Gustl.	/72	
	Bailer test gal./min. with ft, drawdown after hrs	(Signed) License	* * - *	
	Airtest gal./min. with stem set at ft. for hrs	Contractor's Steve Mills		
	Artesian flow g.p.m. Date	No. PO ND EI * 248 JEbate 9/14/90		_, 19
	Temperature of water Was a chemical analysis made? Yes No	(USE ADDITIONAL SHEETS IF NECES	SARVI	
		I (USE ADDITIONAL SHEETS IF NECES	MULLI	

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WATER WELL REPORT

Application No.

Second Copy — Owner's Copy Third Copy — Driller's Copy STATE OF	WASHINGTON E	Permit No. 4.4-25	006P
(1) OWNER: Name Farry & Burnham	Address 3 Horth 76 th ave	yakowa Wa	230
(2) LOCATION OF WELL: County Jakana		₩ T N R	W.M.
ring and distance from section or subdivision corner	NE SW	20 13 1	8
(3) PROPOSED USE: Domestic Industrial Municipal	□ (10) WELL LOG:		
Irrigation 💢 Test Well 🗌 Other	Formation: Describe by color, character, siz show thickness of aquifers and the kind an stratum penetrated, with at least one entry	d nature of the materia	l in each
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM	TO
New well Method: Dug 🗌 Bored	- 1 1/10/ TT V-1		7.5
Deepened ☐ Cable ☐ Driven Reconditioned ☐ Rotary 🛣 Jetted	-		
	- Boulders + Gra	nel 25	50
(5) DIMENSIONS: Diameter of well inche Depth of completed well		torce 50	90
(6) CONSTRUCTION DETAILS:	\	- 20	
Casing installed: Diam. from D ft. to 98	st. Sand	70	75_
Threaded" Diam. from ft. to	n.	95	100
Welded Tiam. from ft. to	it. Saudstore		·
Perforations: Yes No	Sandstone + Wate	100	115
Type of perforator used		•	<u> </u>
SIZE of perforations in. by ft. to ft. to	ft.		<u>_</u>
perforations from ft. to	ft.		
perforations from ft. to		- 14	
Screens: Yes No K	- 5044 M pour 1/3	77	
Manufacturer's Name		11	
Type Model No			
Diam. Slot size from ft. to Diam. Slot size from ft. to			
	- 		
Gravel packed: Yes No Y Size of gravel:			
Gravel placed from ft. to	<u>rt.</u>		
Surface seal: Yes No To what depth?	ft.		
Material used in seal	·····		
Did any strata contain unusable water? Yes \(\) No Type of water? Depth of strata			
Method of sealing strata off			
(7) PIIMP			
(7) PUMP: Manufacturer's Name			
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 7-4- 1980. Con	mpleted 7 - 10	, 19 <i>Z</i> D
Was a pump test made? Yes \(\sigma \) No \(\sigma \) If yes, by whom?	WELL DOLLED'S STATEMEN	ŢŢ.	
11010.	 }	•	
THE PROPERTY OF THE PARTY OF THE	This well was drilled under my ju true to the best of my knowledge an		report is
Recovery data (time taken as zero when pump turned off) (water le	vel 4 2 08	ν> 0	
measured from well top to water level)	NAMESCALWOOD Will	luy me	
Time Water Level Time Water Level Time Water Level	(Person, firm, or corpora	etion) / (Type or pr	int)
	Address 22020	road	
	DO + as	<i>⊕</i> O	
Date of test	[Signed] Rever MC	swood	
Artesian flowgal./min. withft. drawdown after	. , , , , , , , , , , , , , , , , , , ,	Driller)	ウ
Artesian now		ate / - / ()	1920

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WATER WELL REPORT (

STATE OF WASHINGTON

Application	No.	

Third Copy — Driller's Copy	STATE OF W	ASHINGTON	Permit No		
(1) OWNER: Name MKS FC	RA BAGG	3Address /40/ /	LDER St.	***************************************	
(2) LOCATION OF WELL: County 4.5	+KIMA (_ 54	M. Sec. Sec.	R	<u>.</u> W.M.
ring and distance from section or subdivision corne	511 - 1 - 2	FAST PLDER	Stree 204	13 in	18
(3) PROPOSED USE: Domestic ☑ Industri	ial 🗌 Municipal 🗀	(10) WELL LOG:	1		
Irrigation Test We		Formation: Describe by col show thickness of aquifers stratum penetrated, with a	or, character, size of materia and the kind and nature of t t least one entry for each c	l and stru he materi hange of 1	cture, and al in each formation.
(4) TYPE OF WORK: Owner's number of we (if more than one)			ERIAL	FROM	то
New well X1 Method: Do Deepened ☐ Ci	åg □ Bored □ able ☑ Driven □	SILT		0	/
<u> </u>	otary Jetted	5.1 + CC	BBLES	<u></u>	7
(5) DIMENSIONS: Diameter of well	inches.	- DAMI T	Tours to Product	1	25
Drilledft. Depth of completed	. , , ,	(Vernent	SAUGH CLEAVEL	30	36
(c) CONSTRUCTION DETAILS.	<u> </u>	Courses to	25 frot Up to	36	45
(6) CONSTRUCTION DETAILS:	44				
Casing installed: " Diam. from Threaded [] " Diam. from "		 			
Welded 💢" Diam. from	ft. to ft.			-	
Perforations: Yes No D	Š				
Type of perforator used	<u> </u>				
SIZE of perforationsin. by	tt to ft				
perforations from	ft. to ft.		<u></u>		
perforations from	ft. to ft.				
Screens: Yes No D	_				
Manufacturer's Name	al ata				
Diam Slot size from	ft. to ft.	·	d's	Ep.,	<u> </u>
Diam Slet size from	ft. toft.			Maga.	
Gravel packed: Yes No Size of gr	ravel:				
Gravel placed from ft. to	ft.				
Surface seal: Yes No D) To what dep	pth? 20 ft.				
Material used in seal OMENT					
Did any strata contain unusable water? Type of water? Depth of s	Yes No Strata		<u> </u>		
Method of sealing strata off					
(7) PUMP: Manufacturer's Name			TULINED		
Type:	н.Р		had but I by U		
(8) WATER LEVELS: Land-surface elevati			MAY 9 - 2000		
Static levelt. below top of well	11 - WY-74		EM Z L. J		
Artesian pressurelbs. per square inch		OEPA	שווי וליולו של בנילו שלא		
Artesian water is controlled by(Car	p, valve, etc.)		· · · · · · · · · · · · · · · · · · ·		
(9) WELL TESTS: Drawdown is amount lowered below static			79 11	-19	70
Was a pump test made? Yes \(\) No \(\) If yes, by who		Work started 970	, 19.7.9. Completed		, 19./
Yield: gal./min. with ft. drawdown		WELL DRILLER'S	STATEMENT:		
n n 22 n		This well was drille true to the best of my	d under my jurisdiction knowledge and belief	and this	report is
Recovery data (time taken as zero when pump turn		72 /		7	
measured from well top to water level)	me Water Level	NAME CACIT	1)R12L109	<i>?</i>	
Time Water Level Time Water Level Ti		(Person,	firm, or corporation) (Type or p	rint)
		Address	COX 69 FL	LEUSE	3469
- El-10 - 4-16-7 @	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		M=8/6. 1.	0.0	
Date of test gal/min. with ft. drawdov	wn after hrs.	[Signed]	(Well Driller)	Xale	
Artesian flowg.p.m. Date	, , , , , , , , , , , , , , , , , , ,	License No 820	4-	19	1079
Temperature of water Was a chemical analysis	made? Yes 🗌 No 🖺	License NoX	Date/	···/	, 19.//

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WATER WELL REPORT STATE OF WASHINGTON

Application No.	····
	K l
Permit No	V

(1) OWNER: Don Alderson	7611 Tieton Drive, Yakima, Wa.
	— SW-1/4 SW-1/4 Sec.20 T.13N., R.18 W.M.
ing and distance from section or subdivision corner	- 5W-74 5W-74 Sec 20 1113N., R
	Tan mark to a
(3) PROPOSED USE: Domestic 🛅 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 charge of formation.
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL FROM TO
New well Method: Dug Bored Bored	
Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☑ Jetted ☐	Zend 2 home non
	Sand 4 10
(5) DIMENSIONS: Diameter of well6 inches.	
Drilledft. Depth of completed well	Brown claw % gravel 24 46
(6) CONSTRUCTION DETAILS.	Brown clay & sandstone 46 75
(6) CONSTRUCTION DETAILS: Plastic casing	Sandstone Gravel % water 75 85
Casing installed: ft. to ft. to ft. to ft. Threaded ft. to ft. to ft. to ft. to ft.	
Threaded ft. to ft. to ft. welded ft. to ft. to ft.	
Perforations: Yes 🗆 No 🖰	
Type of perforator used	
SIZE of perforations	
perforations from ft. to ft. to ft.	.
perforations from ft. to ft	
Screens: Yes No M	
Manufacturer's Name	
Diam, Slot size from ft. to ft. to ft.	
Diam.' Slot size from ft. to ft	
Gravel packed: Yes No X Size of gravel:	
Gravel placed from ft. to ft	:
Surface seal: Yes No D To what depth? th	.
Material used in seal 30 ntonite	.]
Did any strata contain unusable water? Yes 🗌 No 🖺	
Type of water? Depth of strata Depth of strata	
Method of sealing strata off	
(7) PUMP: Manufacturer's Name	.
Type: H.P	
(8) WATER LEVELS: Land-surface elevation	nct - 6 1992
above mean sea levelft	.
Static level50	
Artesian water is controlled by	
(Cap, valve, etc.)	· · · · · · · · · · · · · · · · · · ·
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 12/51 19/33 Completed 1/2 19/84
Was a pump test made? Yes □ No □ If yes, by whom?	Work started, 19 Completed, 19
Yield: gal./min. with ft. drawdown after hrs	TITIET TO THE TENDIC COLAMICINATION.
n n n	This well was drilled under my jurisdiction and this report is
n n n	true to the best of my knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water leve	Vernon L. Rank
measured from well top to water level) Time Water Level Time Water Level Time Water Level	NAME
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)
	Address 5503 Ahtanum Rd. Yakima, Ma. 98903
Date of test 5:)	[Signed] bernon J. Brank
ler testgal./min. withft. drawdown afterhrs	(Well Driller)
Artesian flowg.p.m. Date	. 0854 1/3 84
Temperature of water Was a chemical analysis made? Yes ☐ No ∑	License No

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WATER WELL REPORT STATE OF WASHINGTON

Application No.

Name Range	MASHINGTON Permit No. Address 72/7 Maclassa, yakne Wa.		
') LOCATION OF WELL: County Jakuma	M. Address 1217 Machanin Jaking Wa.		
rom section or subdivision corner	ME MW Whee I 9 T /3 N	J D	B.
(3) PROPOSED USE: Domestic of Industrial [Municipal			W
Irrigation ☐ Test Well ☐ Other	Formation P.		
(4) TYPE OF WORK: Owner's number of well (if more than one)	Formation: Describe by color, character, size of material and show thickness of aquifers and the kind and nature of the material material and stratum penetrated, with at least one entry for each change	stru iateri	cture, d
Deepened D	MATERIAL ED	E 01 1	Jormati
Reconditioned C	DI		TO
(5) DIMENSIONS.	-	0	-6_
Diameter of well	is. Doulders + Gravel	7	10
ft. Depth of completed well. 65	it. ///		
(6) CONSTRUCTION DETAILS:	10	2	30
Casing installed: 6." Diam. from 0. ft. to 60 ft.	Sand & Water		
		0	36
Diam. from ft to	Clay 36	, 	
Perforations: Yes No	\	<u>' -</u> 9	60
Type of perforator used	White Sand Stone & Frank 60	+	65
SIZE of perforations in. by in. perforations from ft. to ft.			<u> </u>
		+	
tt. to		+	
Screens: Yes No M		+	
Manufacturer's Name		+	
Type			
irom ft. to			
Gravel packed: Yes No Size of gravel:		┿	
ft	SEQUENTISM!	┼	
Surface seal: Yes V No C			
Did any strata contain unusable water? Yes No S		 -	·
		1	
Office of the state of the stat	DEPARTMENT C. ECOLUGY	1	
7) PUMP: Manufacturer's Name	CENTRAL REGION OF ICE		
H.P			
8) WATER LEVELS: Land-surface elevation		ļ	
tatic levelft.			
rtesian pressure			
Artesian water is controlled by(Cap, valve, etc.)			
Tyring -			
lowered below statis, water level is			
eld: 75 gal./min. with	Work started 4-30 1986 Completed 5-/		7
Slown Out II I I hrs.	WELL DRILLER'S STATEMENT:	., 192	26
	This well was a sure		
covery data (time taken as zero when pump turned off) (water level	This well was drilled under my jurisdiction and this retrue to the best of my knowledge and belief.	eport	t is
Time Water t	A A 20		
Time Water Level	VAME Cashood Drilling Some		
	(Person, firm, or corporation) (Type or prin	 it)	
	iddress of Vallever Rl Chb - 111	-,	
Date of test	Of the A O To	.1	•••••
rer testgal /min writh	Signed] Coster of Caster of		
esian flow	(Well Driller)	•	
	icense No DI (2	7	>/
ı	Date V	1025	6

'ATER WELL REPOR

Start Card No. 083540

1711

Water Right Permit No. -

STATE OF WASHINGTON

1)	OWNER: Name Mike Corn	Address 705 S. 80th Ave., Yakima		
	LOCATION OF WELL: County Yakima	_ SW _4 NW _4 Sec_ 2913	N., R18	3_ _{W.M.}
2a)	STREET ADDDRESS OF WELL (or nearest address) 705 S. 80th	Ave., Yakima		
	PROPOSED USE: Domestic Industrial I Municipal I DeWater Test Well I Other	(10) WELL LOG or ABANDONMENT PROCEDUR	·	
<u> </u>		thickness of aquifers and the kind and nature of the material in ea with at least one entry for each change of information.		
4)	TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM	то
	Abandoned New well Method: Dug Sored Control Deepened Control Cable Driven Control	Topsoil	0	14
	Reconditioned □ Rotary 🖾 Jetted □	Gravel, Brown Clay & Water	14	25_
5)	DIMENSIONS: Diameter of well 6 inches.	Brown Clay & Gravel	25	30_
	Drilled 110 feet. Depth of completed well 110 ft.	Cemented Gravel & Brown Clay	30	43_
6)	CONSTRUCTION DETAILS:	Brown Sandstone, Gravel & Water	43	<u>46</u>
υ,	Casing installed: 6 Diam. from +1 ft. to 70 ft.	Brown Clay, Brown Sandstone, Grave	., 46	60
		& Water Brown Clay, Brown Sandstone & Water	60	102
		Brown Sandstone, Gravel & Water	102	110
	Perforations: Yes X No	Brown Sandscore, Graver & water	-102	
	Type of perforetor used Saw Cut			·
	SIZE of perforations $\frac{1}{4}$ in. by $\frac{5}{}$ in.			
	160perforations from70ft. to110ft.		·	
	perforations fromft. toft.			
	perforations fromft, toft.			
	Screens: Yes No X			
	Manufacturer's Name			
	Type Model No			
	Diam. Slot size from ft. to tt.			
-	DiamSlot size			
	Gravel packed: Yes No W Size of gravel	10)		
	Gravel placed fromft. toft.	OV .	-	
	Surface seal: Yes No To what depth? 18 ft.	- 1997 - 1997 - 1		
	Material used in sealBentonite_Clay			
	Did any strata contain unusable water? Yes No X	Comparation as a 17		
-	Type of water?Depth of strata	100000		
_	Method of sealing strata off			
7)	PUMP: Manufacturer's Name			
	Type:H.P			
8)	WATER LEVELS: Land-surface elevation above mean sea levelft.			
	Static level 14 ft. below top of well Date			
	Artesian pressure ibs. per square inch Date			
	Artesian water is controlled by(Cap, valve, etc.))	10/5/02	- /02	
9)	WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 10/5/92 19. Completed 10/6	1/92	, 19
	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 const		
	n n n n n	and its compliance with all Washington well cons Materials used and the information reported above	itruction st are true to	andards. mv best
	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	Water Wells Drilling, Inc.		
		NAME 5503 Ahtanum (PERSON, FIRM, OR CORPORATION)	(TYPE OR	PRINT)
		(PERSON, FIRM, OR CORPORATION)03		
		Address		
	Date of test	(Signed) License N	1435	5
	Bailer test gal./min. with ft. drawdown after hrs.	WELL DRILLER)	10	
	Airtest $\underline{100}$ gal./min. with stem set at $\underline{110}$ ft. for $\underline{1}$ hrs.	Contractor's Registration		
	Artesian flow g.p.m. Date 10/6/92	NoWATERWD112QB Date 10/8/92		., 19
	Temperature of water 59° Was a chemical analysis made? Yes \square No \square	(USE ADDITIONAL SHEETS IF NECES)	SARY	

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

-€3

ECY 050-1-20 (10/87) -1329-

NATER WELL REPORT

Start Card No. <u>036694</u>

STATE OF WASHINGTON

Water Right Permit No. G3-21664 P

Inird	Copy—Driller's Copy	Water Right Permit No. <u>G3-21664</u>	<u>P</u>	
(1)	OWNER: Name Arthur Hallauer	Address 912 S. 72nd, Yakima, WA	98908	3
(2)	LOCATION OF WELL: County Yakima	NE1 SE NW % Sec 29 T 1	L3 N.R	18 _{w.m}
(2a)	STREET ADDDRESS OF WELL (or nearest address)			
<u> </u>				
(3)	Irrigation Took Well C	(10) WELL LOG or ABANDONMENT PROCEDUI		
	olacement a permiter	Formation: Describe by color, character, size of material an thickness of aquifers and the kind and nature of the material in ea	d structure ach stratum	, and show penetrated
(4)	TYPE OF WORK: Owner's number of well (if more than one)	with at least one entry for each change of information.		
	Abandoned 🗆 New well 💢 Method: Dug 🗀 Bored 🗀	MATERIAL	FROM-	то
DE	Deepened	Top soil, sandy clay, brown	0	15
	OTGOGRANICITE	Sandston, gravel, black, brown	15	18
(5)	O7 O7	Sand gravel, cobbels, black, brown		
	Drilledreet. Depth of completed wellrt.	trace	18	24
(6)	CONSTRUCTION DETAILS:	Sandy clay, pea gravel, brown	24	36
	Casing installed: 6 Diam. from +1 ft. to 59 ft.	Gray snadstone	36	53
	Welded 4 PVC Diam. from 17 ft. to 97 ft.	Tan clay, sandstone, brown	53	58
	Threaded U Diam. from ft. to ft.	Brown sandstone	58	69
	Perforations: Yes X No C	Malty colored snadston w/water	69	97
	Type of perforator used Skill Saw		_	<u> </u>
	SIZE of perforations 6" Long in. by 1/8" Wide in. perforations from 57 ft. to 97 ft.		ļ	
				
	perforations from tt. to tt.			and the second
	Screens: Yes No X			
	Manufacturer's Name		-	2 200
	Type Model No			
	Diamft. toft.			1.1
	DiamSlot sizefromft. toft.	,		·
	Gravel packed: Yes No X Size of gravel		ļ	
	Gravel placed from ft. to ft.	6" Drive Shoe		
	Surface seal: Yes No To what depth? 18 ft.			
	Material used in seal		<u> </u>	
	Did any strata contain unusable water? Yes No			
	Type of water?Depth of strata		· ·	
	Method of sealing strata off			
(7)	PUMP: Manufacturer's Name			
	Туре: Н.Р			
(8)	WATER LEVELS: Land-surface elevation above mean sea level ft.			
	Static levelft. below top of well Date		<u> </u>	
	Artesian pressure ibs. per square inch Date	-	-	
	Artesian water is controlled by(Cap, vaive, etc.))	0 /13 /00	14/90	机器为
(9)	WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 9/13/90 , 19. Completed 9/1	14/90	, 19
	Was a pump test made? Yes No If yes, by whom?	WELL CONSTRUCTOR CERTIFICATION:		
		I constructed and/or accept responsibility for const	truction of	this wel
	"Est Air-lift" " " "	and its compliance with all Washington well con- 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	DONDEBOCK DETITING & DETELOP	MENT	TNC
		NAME PONDEROSA DRILLING & DEVELOPY (PERSON, FIRM, OR CORPORATION)		INC.
_	· · · · · · · · · · · · · · · · · · ·	Address E. 6010 Broadway, Spokane,	WZ Q	9212
		(1) 1 m11	<u> </u>	<u> </u>
	Date of test	(Signed) License N	No. 13.	35
	Bailer test gal./min. with ft. drawdown after hrs.	Contractor's (WELL DRILLER) Steve Mills		
	Airtest gal./min, with stem set at ft. for hrs.	Registration No. PO ND EI * 248 JEpate 9/14/90		10
	Artesian flow g.p.m. Date	170. 2 V 112 41 430 D-108(6 2/13/20		, ı <i>ə</i>
	Temperature of water Was a chemical analysis made? Yes No	USE ADDITIONAL SHEETS IF NECES	SARY)	

d Copy — Owner's Copy	ELL REPORT (Application	No	
d Copy — Driller's Copy STATE OF	WASHINGTON Permit No.		
	Address TIEOTON DRIVE		
1) LOCATION OF WELL: County 94KIMA	-NEW NEW Sec. 29 T.	Z .n., r./	18 w.m.
ring and distance from section or subdivision former			
(3) PROPOSED USE: Domestic 🗆 Industrial 🗀 Municipal 🗆		-4	
Irrigation Test Well Other	Formation: Describe by color, character, size of materi, show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each c	the meteri	al in each
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM	TO
New well □ Method: Dug □ Bored □ Deepened b Cable b Driven □		46	75
Reconditioned Rotary Jetted	· 1		
(5) DIMENSIONS: Diameter of well	SAND - GRAVET	75	83
Drilled 124 ft. Depth of completed well ft.	CLAY FINESAND-SOMEGRA	Vels 5	125
(6) CONSTRUCTION DETAILS:			
Casing installed: 6 Diam. from 6 ft. to 15 ft.	CLAY SAND + GRAVE!	125	170
Threaded Threaded ft. toft.		 	<u> </u>
Welded 1t.			
Perforations: Yes O No 🔀			
Type of perforator used			
SIZE of perforations		 	
perforations from ft. to ft.	. -	+	
perforations from ft. to ft.			
Screens: Yes No No			
Manufacturer's Name			
Diam Slot size from ft. to ft.	.	-	
Diam. Slot size from ft. to ft.		-	
Gravel packed: Yes No Size of gravel:	A TOP OF THE PARTY		
Gravel placed from			
Surface seal: Yes Y No _ To what depth? ft.	JUL 1 and 75		
Material used in seal B≪N TON T Did any strata contain unusable water? Yes □ No ■	<i>a</i>		
Type of water? Depth of strata			
Method of sealing strata off	Sanstan and Sans		
(7) PUMP: Manufacturer's Name			
Туре: Н.Р			
(8) WATER LEVELS: Land-surface elevation above mean sea level		 	
Static level # 5 ft. below top of well Date 7/5.//97	8		
Artesian pressurelbs. per square inch Date			
Artesian water is controlled by(Cap, valve, etc.)	.	ļ	
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	1/51 78 4	<u> </u>	70
Was a pump test made? Yes \(\sigma \) No \(\sigma \) If yes, by whom?	Work started	<u>/</u>	, 19.4.
Yield: gal./min. with ft. drawdown after hrs.	' 		
	This well was drilled under my jurisdiction true to the best of my knowledge and belief.	and this	report is
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	INAME STUDE DRUSSEL	Type or pr	
1			
	Address ROUT2 BOX 576 4	HKI	VVV
Note of text	the X	10	
Date of test	[Signed](Well Driller)	<i>f</i>	••••••
Artesian flowg.p.m. Date	License No. 8/2 Date 7/	8	1928
remperature of water	Date	/ I	. 197(3)

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

WATER WELL REPORT

Application	No.	

COD A OTE	ΛE	WASHINGTON

Third Copy — Driller's Copy	STATE OF W	ASHINGTON	Permit No	
(1) OWNER: Name Fresh Shown	asl	Address 7205 Maclarn	Hokaria 1	UR
LOCATION OF WELL: County Ofake			1/	R / T W M
earing and distance from section or subdivision corner		J		
(3) PROPOSED USE: Domestic M Industrial [Irrigation Test Well [(10) WELL LOG: Formation: Describe by color, character, s	ize of material and	structure, and
		Formation: Describe by color, character, s show thickness of aquifers and the kind a stratum penetrated, with at least one ent	nd nature of the m ry for each change	aterial in each of formation.
(4) TYPE OF WORK: Owner's number of well (if more than one)		MATERIAL	FRO	
New well 🤼 Method: Dug Deepened □ Cable	☐ Bored ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	Topsail		06
Reconditioned	y ⊠ Jetted □			1.10
(5) DIMENSIONS: Diameter of well	inches.	- Bouldoust Eran	el	6/0
Drilled 65 ft. Depth of completed well.	6-5 ⁷ ft.	Clay		0 30
(6) CONSTRUCTION DETAILS:				335
Casing installed: 6 " Diam. from 0	ft. to 60 ft.	Sand & Waln		
Threaded		Clay	3	5 60
Welded 🔀	it. to it.			
Perforations: Yes 🗆 No 💆		Marie & White Dand	stone L	0 65
Type of perforator used		- Water	·	
perforations from ft. t		·		
perforations from ft. t				
perforations from ft. t	o ft.			
Screens: Yes 🗆 No 🕱				
Manufacturer's Name				
Diam. Slot size from		221H		
Diam Slot size from		I - MEG	0.20	
Gravel packed: Yes No Size of grave	3.		.731	
Gravel placed from ft. to ft. to	1: ft.	1 1 1 1 1 1		
	*10		+ 9	
Surface seal: Yes No To what depth? Material used in seal	48 ft.			
	Yes □ No K (DEPARTME		
Type of water? Depth of strate		L_CENTRAL !	EGION OF THE	
Method of sealing strata off				
(7) PUMP: Manufacturer's Name				
Type:	H.P			
(8) WATER LEVELS: Land-surface elevation above mean sea level	ft	·		
Static levelft. below top of well Da	- J (J-/			
Artesian pressurelbs. per square inch Da				
Artesian water is controlled by (Cap, v.	alve, etc.)			
(9) WELL TESTS: Drawdown is amount wat lowered below static leve	er level is	7 ; 57	<u> </u>	<u> </u>
Was a pump test made? Yes \(\) No \(\) If yes, by whom?		Work started 19.8.6. Co	ompleted5.	19.8.6
Yield: 75 gal./min. with ft. drawdown aft		WELL DRILLER'S STATEME	NT:	
" Blown With Dir "		This well was drilled under my		this report is
n n		true to the best of my knowledge a	and belief.	
Recovery data (time taken as zero when pump turned measured from well top to water level)	off) (water level	NAME PETTING DE	Mary Dec	•_
Time Water Level Time Water Level Time	Water Level	NAME (Person, firm, or corpor	ation) (Type	or print)
		Address 202 River Ra	Haloms	e wa
		Audiesse A. A. A.		
Date of test		[Signed] Kulu Maa	Twood	
Bailer test gal./min. with ft. drawdown a	ıfterhrs.		Driller)	
Artesian flowg.p.m. Dateg.p.m. Date		License No. 01/2	Date 3-3	1982
Temperature of water Was a chemical analysis made	net rea □ 140 🕰	LICOLOG ITO	, u, vo	, 1074.X

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WATER WELL REPORT

STATE OF WASHINGTON

No.	
	No.

)	OWNER: Name Alnora. Pease.	Address 7207 Mac Clean, Yak	rema:	
ar.	LOCATION OF WELL: County JASIUIT	_ NE 1/4 NW1/4 Sec 29 T.	Zn., r /8	ZEWM.
3)	PROPOSED USE: Domestic Industrial Municipal Irrigation Test Well Other	(10) WELL LOG: Formation: Describe by color, character, size of material	and struc	ture; and
)	TYPE OF WORK: Owner's number of well (if more than one) New well Wethod: Dug Bored	show thickness of aquifers and the kind and nature of t stratum penetrated, with at least one entry for each characteristics. MATERIAL Too SelL	FROM	TO
- 5)	Deepened Cable Driven Dimensions: Cable Driven Dimensions: Cable Driven Dimensions Diameter of well inches.	CLAY & SOND STONE	7.0 °	23 27
-, -	Drilled 52 ft. Depth of completed well 52 ft.	gravel & savel tone (water)	40	40 52
)	CONSTRUCTION DETAILS: Casing installed: 6 "Diam. from oft. to 40 ft.	3		
	Threaded "Diam. from			:
	Perforations: Yes \(\subseteq \) No \(\mathbb{P} \) Type of perforator used			
	perforations fromft. toftperforations fromft. toftperforations fromft. toft.			
	Screens: Yes No Manufacturer's Name			· · · · · ·
-	Diam. Slot size from ft. to ft. Gravel packed: Yes No Size of gravel: Gravel placed from ft. to ft.			
	Surface seal: Yes To No To what depth? Do ft. Material used in seal To what depth? Do ft. Did any strata contain unusable water? Yes No To No To what depth? No To what depth? No To what depth? No To what depth? Did any strata contain unusable water? Yes No To what depth?		F. F.	
)	PUMP: Manufacturer's Name			
iti	WATER LEVELS: Land-surface elevation above mean sea level			
-	Artesian water is controlled by(Cap, valve, etc.)			
•	WELL TESTS: Drawdown is amount water level is lowered below static level a pump test made? Yes \(\sqrt{No} \sqrt{If yes, by whom?} \).	Work started 8—1. 19. 7. Completed 8	_/	., 192 9
<u>lc</u>	l: gal./min. with ft. drawdown after hrs. """ """ """ """ """ """ """	WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction a true to the best of my knowledge and belief.	and this r	eport is
r	very data (time taken as zero when pump turned off) (water level neasured from well top to water level) nc Water Level Time Water Level Time Water Level Column Colum	NAME FASTUCED DEILL FAIG. (Person, firm, or corporation) (1)	Pype or pri	int)
	Oper of test	Address 2 202 River Rd yall	īmp -	WA
sile rte:	test 6 gal/min. with ft. drawdown after hrs. sian flow g.p.m. Date perature of water Was a chemical analysis made? Yes No W	[Signed] (Wen Driller) License No. 0 4 9 1 Date. S	./	, ₁₉ >9

le Original and First Copy with partment of Ecology

Start Card No. _

LATER WELL REPORT Second Copy-Owner's Copy STATE OF WASHINGTON Third Copy—Driller's Copy Water Right Permit No. . I) OWNER: Name Allen Miller 619 S.74th.Ave.. Address NW % Sec. 29 T. 13 N. R. 18 W.M. LOCATION OF WELL: County Yakima 619 S.74th.Ave., Takima la) STREET ADDDRESS OF WELL (or nearest address)_ ☼ Domestic Municipal 🗆 (10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION PROPOSED USE: Industrial [\Box 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, □ DeWater (4) TYPE OF WORK: Owner's number of well (if more than one) with at least one entry for each change of information. MATERIAL FROM ... TO Method: Dug Bored 🔲 Abandoned New well Topsoi1 0 14 Deepened Cable Driven Reconditioned Rotary 🔀 Jetted 🗆 Gravel & Br. Clay & Sand 14 16 Br. Clay & Sand 21 16 (5) DIMENSIONS: Diameter of well-_inches. 50 Gravel & Br. Clay & Sand 21 70 70 feet. Depth of completed well. Gravel & Sand & Water 50 70 (8) CONSTRUCTION DETAILS: Casing installed: ___6_ * Diam. from___ Liner installed Threaded Diam. from_ Perforations: Yes No Torch Type of perforator used . _ in. by ___ SIZE of perforations _ 60. 70 50 ft. __ ft. to __ __ perforations from . perforations from ft. to perforations from ____ No X Screens: Yes 📖 Manufacturer's Name_ _ Model No._ Diam. Slot size_ .from... No X Size of gravel Gravel packed: Yes Gravel placed from... Surface seal: Yes No To what depth?___ 18 Material used in seal Bentonite Did any strata contain unusable water? Yes NoX _Depth of strata. Type of water?___ Method of sealing strata off_ PUMP: Manufacturer's Name _ Land-surface elevation above mean sea level _ WATER LEVELS: __ ft. below top of well Date ___ Static level _ Artesian pressure ______ lbs. per square inch Date _ Artesian water is controlled by (Cap, valve, etc.)) 5-21-91 5-20-91 19. Completed. 19 Work started. 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:** ____ ft. drawdown after _ ____ gal./min. with ___ 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. Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) Water Level Time Water Level Time Water Level NAME Water Wells Drilling INC (PERSON FIRM OR CORPORATION) 5503 Ahtanum Rd., Yakima 98903 Address . Date of test ____ License No. 1435(WAL DRILLER) (Signed)_ ___ gal./min. with ____ ___ ft. drawdown after __ Contractor's Airtest 75 gal./min. with stem set at 70

(USE ADDITIONAL SHEETS IF NECESSARY)

Registration No. WATER WD112QB Date 5-23-91



Temperature of water 56 Was a chemical analysis made? Yes No \boxed{X}

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

Start Card No. .

STATE OF WASHINGTON

nırd	Copy—Driller's Copy	Water Right Permit No.		
1)	OWNER: Name Cedric Clark	Address 7720 Tieton Dr., Yak	ima	
2)	LOCATION OF WELL: County Yakima STREET ADDDRESS OF WELL (or nearest address) 7720 Tieto	<u>ΛΨ ¼ Λω ¼ Sec. 29</u> τ. 3	3 _{N., R} _	18 _{.w.m.}
3)	PROPOSED USE: ☐ Domestic Industrial ☐ Municipal ☐ Irrigation ☐ DeWater Test Well ☐ Other ☐	(10) WELL LOG or ABANDONMENT PROCEDUR Formation: Describe by color, character, size of material an thickness of aquifers and the kind and nature of the material in each	d structure,	and show
4)	TYPE OF WORK: Owner's number of well (if more than one)	with at least one entry for each change of information. MATERIAL	FROM	то
	Abandoned 🗆 New well 💹 Method: Dug 🔲 Bored 🔲	Topsoi1	0	3
	Deepened ☐ Cable ☐ Driven ☐ ☐ Reconditioned ☐ Rotary ※ Jetted ☐	Br. Clay & Cemented Gravel	3	48_
		Br. Clay & Sand	48	56
	Diameter of well	Br. Sandstone	-56	67
	Drilled 170 feet. Depth of completed well 170 ft.	Br. Sandstone & Gravel	67	70_
	CONSTRUCTION DETAILS:	Sandstone & Sand &	70	105
	Casing installed: 6 Diam. from +1 ft. to 118 ft.	Water		<u> </u>
	Welded Liner installed Liner installed Diam. from 110 ft. to 170 ft.	Gravel & Sand	105	<u>113</u>
	Threaded Diam. from ft. to ft.	Br. Sandstone & Water	113	<u> 158</u>
	Perforations: Yes X No.	Br. Sandstone & Gravel &	158	170
	Type of perforator used Drill	Water		
	SIZE of perforations 3/8 Round in. by			
	perforations fromft. toft.			
	perforations fromft. toft.			<u> </u>
	Screens: Yes No X			
	Manufacturer's Name			
	Type Model No			
	DiamSlot sizeft. toft.			
	DiamSlot sizefromft. toft.			
	Gravel packed: Yee No X Size of gravel			
	Gravel placed fromft. toft.	77		
	Surface seal: Yes No To what depth? 23 ft.			_
	Material used in seal Bentonite			
	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			
(8)	WATER LEVELS: Land-surface elevation above mean sea level #1.			
,	Static level 60 ft. below top of well Date 6-6-91	· .		
	Artesian pressure lbs. per square inch Date		· ·	
	Artesian water is controlled by(Cap, valve, etc.))	Wast asserted 6-4-91 10 Completed 6-6-	_ 91	
<u></u>	WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 0-4-91 19. Completed 0-0		
	Was a pump test made? Yes No 1 If yes, by whom?	WELL CONSTRUCTOR CERTIFICATION:		
	Yield: gal./min. with ft. drawdown after hrs.	I constructed and/or accept responsibility for cons	truction of	this well,
	n n n n n	and its compliance with all Washington well con Materials used and the information reported above	are true t	standards. o my best
	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	Notes Wells Deilling T	NT C	
		NAME Water Wells Drilling I	(TYPE O	R PRINT)
		Address 5503 Ahtanum Rd., Yak	ima Os	3903
		Address		
	Date of test	(Signed) License	No. 14:	35
	Bailer test gal./min. with ft. drawdown after hrs.	Contractor's		
	Airtest 100 gal./min. with stem set at 170 ft. for 1 hrs.	Registration	ı	19
	Artesian flow g.p.m. Date 6-6-91	No. WATER WD112QB Date 6-11-97		

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WATER WELL REPORT STATE OF WASHINGTON

Application	No.	
Permit No.		/

(1) OWNER: Name FURULS CONSTRUCTION SMILLW	ORKidress P.O. BOX 2305 YAL	UMA.	
(2) LOCATION OF WELL: County YAKIMA	_ Nu 14 Nu 14 Sec 29 T. /.	3 N R 18	.w.м.
aring and distance from section or subdivision corner			
(3) PROPOSED USE: Domestic 🗹 Industrial 🗆 Municipal 🗆	(10) WELL LOG:		
Irrigation Test Well Other	Formation: Describe by color, character, size of material show thickness of aquifers and the kind and nature of t	and structure	e, and n each
(4) TYPE OF WORK: Owner's number of well	stratum penetratea, with at least one entry for each cl	range of form	ration.
New well Method: Dug Bored	MATERIAL TO C. SALL		TO
Deepened	LOWE ROCK & SAND (MED O)	0 1	38
Reconditioned Rotary Jetted	COM BLOME RATE (LIGHT B.)		39
(5) DIMENSIONS: Diameter of well	COURSE SMOSTONE (LIGHT B)		5 6
(6) CONSTRUCTION DETAILS:			
Casing installed: 5 "Diam. from			
Threaded			
Welded 2 Time. The man from ft. to ft.			
Perforations: Yes [] No 🕱			
Type of perforator used			
SIZE of perforations in, by in,			
perforations from ft. to ft			
perforations from ft. to ft.			
Savagna			
Screens: Yes No X Manufacturer's Name			
Type Model No Model No			
Diam Slot size from ft. to ft.			-
Diam Slot size from ft. to ft.			
Gravel packed: Yes No St Size of gravel:	WELL IS AT		
Gravel placed from ft. to ft.	7803 MIOVALE.		
Surface seal: Yes No To what depth? ft.			
Material used in seal BENTONITE Did any strata contain unusable water? Yes □ No □	DEORUGE		
Type of water? Depth of strata	KECFIVED		
Method of sealing strata off			
(7) PUMP: Manufacturer's Name	CED 9 9 1076		
Type:	3EP & 3.13/ b		
(O) TITAINET I DIVIET C. Land-surface elevation	DEPARTMENT OF ECOLOGY		
(8) WATER LEVELS: Land-surface elevation above mean sea level. App. 1200 ft. Static level 5 ft. below top of well Date 8-31-76	distribution as a management of the state of		
Artesian pressure	- TOL		
Artesian water is controlled by			
(Cap, vaive, etc.)			
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 8-3/ 19.76 Completed 8	-31 ,1	- 7 L
Was a pump test made? Yes 🗆 No 🕱 If yes, by whom?			
Yield: 20 gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:		
"WITH AIR" " "	This well was drilled under my jurisdiction a true to the best of my knowledge and belief.	and this repo	ort is
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	15.45.4	4 -	
Time Water Level Time Water Level Time Water Level	NAME JENSERS WELL DRILLING (Person, firm, or corporation) (1)	TDRIV Type or print)))
	Address 1603 So. 1074 A.	JE . ,	
		. []	
Date of test	[Signed] Aus B. Amsen	de.	
Bailer testgal./min. withft. drawdown afterhrs.	(Well Driller)	Д	•••••
Artesian flowg.p.m. Date	License No. 0217 Date	23 1	976
remperature of water was a chemical analysis mader res [] No [A]		, 1¢	

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WATER WELL REPORT STATE OF WASHINGTON

Application	No.	*****************************
Permit No.		

(1) OWNER: Name GERALO L. RUSSELL	Address RT 4 BOX 63 YAKIMA, WN.
(2) LOCATION OF WELL: County YAKIMA	SE 14 NW4 Sec 29 T 13 N R 18 FWM
Bearing and distance from section or subdivision corner	The state of the s
(3) PROPOSED USE: Domestic X 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 🖯	TOP SOIL 0= 15
Reconditioned	COMBLOMERATE (MED 8) HAND 15 40
(5) DIMENSIONS: Diameter of weil 5" inches.	SAND STONE ROLK (LIGHT R) FRY 43
(5) DIMENSIONS: Diameter of well 5, inches. Drilled ft. Depth of completed well 5, ft.	" (MEO A) 11 43 50
	SANDSTONE (LIGHT B) 11 50 55
(6) CONSTRUCTION DETAILS: Casing installed: 5 "Diam. from	
Type of perforator used	
SIZE of perforations in. by in. perforations from ft. to ft.	
perforations fromft. toft.	
perforations from ft. to ft.	
Screens: Yes No P	
Manufacturer's Name	
Diam Slot size from ft. to ft.	
Diam Slot size from ft. to ft.	
Gravel packed: Yes No Size of gravel:	
Surface seal: Yes No To what depth? 18 ft. Material used in seal BONTONITE	
Did any strata contain unusable water? Yes \(\scale \) No \(\scale \)	
Type of water? Depth of strata	DEOF IN THE
Method of sealing strata off	
(7) PUMP: Manufacturer's Name	
Type:	
(8) WATER LEVELS: Land-surface elevation above mean sea level. Appl 1200 ft.	المحالمة المتعادية المواهدة ال
Static level5ft. below top of well Date_10=22=75	CERTIFICATION DAME
Artesian pressure	DENT.
Artesian water is controlled by(Cap, valve, etc.)	
(9) WELL TESTS: Drawdown is amount water level is	
Vas a pump test made? Yes □ No 🕱 If yes, by whom?	Work started 10-22, 19.75. Completed 16-22, 19.75
Yield: 20 gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:
" WITH AIR. " "	This well was drilled under my jurisdiction and this report is
<u>n</u> <u>n</u> <u>n</u> <u>n</u> <u>n</u>	true to the best of my knowledge and belief.
Accovery 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	NAME JENSEN'S WELL DRULING Person, firm, or corporation) (Type or print)
	Address 1603 SOUTH 16 TH AUE
Date of test	[Signed] Signed
er testgal./min. withft. drawdown afterhrs.	(Well Driller)
Temperature of water 5.3. Was a chemical analysis made? Yes □ No 💢	License No. 0217 Date 10-29, 19.75
OK MAB	