# UST CLOSURE SITE ASSESSMENT REPORT



# Site Location /(07-1618 Rudkin Road Yakima, Washington

Wondrack DIST. # 4274

Prepared For:
Mr. Greg Huylar
Russell Crane Service Inc.
505 Locust Avenue
Yakima, WA 98902

JANUARY, 1995





WHITE

SHIELD

INC.

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

### **EXECUTIVE SUMMARY**

White Shield, Inc. (WSI) provided site assessment services upon removal of two regulated Underground Storage Tanks (USTs), measuring approximately 8 feet x 8 feet 4.5 feet in height (square) with an estimated capacity of 500 gallons each. The tanks were used for storing used motor oil generated during truck servicing operations. The tanks were located at 1618 Rudkin Road, Yakima, Washington.

The used motor oil was conveyed to the tanks via PVC piping. The inlets and outlets were located adjacent to the south wall of a metal building. The USTs and piping were in good condition at the time of removal. A close inspection of the tanks revealed signs of incipient corrosion and pitting but no holes were observed.

Laboratory analysis of soil samples revealed petroleum contamination exceeding the MTCA Method A Cleanup Levels in the soil taken from the bottom of two separate excavations. The analytical laboratory results indicated contamination below the MTCA cleanup level on the walls of the excavations.

# TABLE OF CONTENTS

1.0	Introduction	
	1.1	Purpose
1	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		
	3.1	General Investigative Methods
		3.1.2 Soil Sampling
	3.2	Tank Removals
	3.3	Tank Inspection
	3.4	Initial Sampling/Site Assessment
4.0	Soil Analysis	Character
4.0		Summary
	4.1	Petroleum Analysis
5.0	Ground Wate	er & Well Logs
6.0	End Use of S	oil10
7.0	Conclusion .	
8.0	Limitations	

#### 1.0 Introduction

#### 1.1 Purpose

This report describes findings and actions taken for work associated with the removal of two regulated Underground Storage Tanks (USTs), measuring approximately 8 feet x 8 feet x 4.5 feet, with a capacity of 500 gallons each. The tanks were located at 1618 Rudkin Road, Yakima, Washington. The Washington State Department of Ecology (WSDOE) requires a report for the closure of a regulated Underground Storage Tank (UST) site.

#### 1.2 Scope of Work

White Shield, Inc. (WSI) provided site assessment services for the removal of two 500 gallon used motor oil USTs. Russell Crane Services Inc. provided the decommissioning services and removed the USTs from the site for cleaning and disposal. On Site Environmental, Inc. (OnSite), Redmond, Washington, provided the laboratory analytical services. Refer to Appendix B, Laboratory report and chain of custody and Table I, Soil Field Screening and Laboratory Analytical Results.

The initial site assessment services provided by WSI included 7 Thin Layer Chromatography (TLC) field screening tests for semi-volatile components. A total of 13 soil samples were also sent to the laboratory for analysis.

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

### 2.0 Background Information

#### 2.1 Site Location

The site is located at 1618 Rudkin Road, Yakima Washington. It is approximately 1.5 miles north of Valley Mall Boulevard/Rudkin Road intersection. The site is described as the tax parcel # 191329-43440 located in the SE 1/4, Section 29, T13N, R19E, W.M. Refer to Figure 1, Site Location Map.

Ref. # RUC-0294

### 2.2 Site Description and History

The main structure on the subject site is a metal frame building which is utilized for truck servicing. The east half of the metal building is occupied by Better All Auto Sales and Transport and the west half is rented by Yakima Truck Service. The two underground storage tanks, with a capacity of 500 gallons each, were installed eight years ago at the southwest and the southeast ends of the metal building. The tank at the southeast end was used by Better All Auto Sales and Transport and the tank at the southwest end was used by Yakima Transport Service. The subject site is also occupied by an above ground storage tank, a truck wash and two diesel fuel underground storage tanks. Refer to Figure 2, Site Plan and Figure 3, Sampling Plan.

The USTs that were removed on December 14, 1994 are described as follows:

Tank Code	WSDOE UST Site number	Contents	Volume (gallons)
3	004274	used oil/w	500
4	004274	used oil/w	500

An interview with the site owner revealed that there were no underground tanks at the site prior to the installation of the two waste oil tanks. Currently, there are two diesel fuel underground storage tanks located to the north of the truck wash and a diesel fuel aboveground storage tank to the east. Refer to Figure 2, Site Plan.

### 2.3 Soils Description

The soil appeared to be predominantly inorganic silts, very fine sands, rock flour, silty or clayey fine sands (ML).

Ref. # RUC-0294



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

JOB	
SHEET NO.	OF
SHEET NO.	
CALCULATED BY	DATE
CHECKED BY	DATE 12 27 94

NTS SCALE NORTH UNDERGROUND WOODPECKER DIESEL TANKS MHITE GNAC 101VO TRUCK ABOVE GROOND DIESEL TANK CARE WASH YAKIMA BETTER TRUCK All AUTO TRUCK All HUSSERVICE SALES
TRANSFORT YAKIMA WASTEWATER TRUCK TREATMEN 7 TRAILER METAL BULLINGS 28 PLANT TRUCK STOCKPILE TRAILER YAKIMA RUDKIZ TRUCK TRAILER SALES FREIGHTLINER 500 GAILON TANKS ROAD (REMOVED ON 12/14/94) RESIDENTIAL RESIDENTIAL FIGURE 2 - SITE PLAN

- 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, site assessor registered with the Washington State Department of Ecology Underground Storage Tank Program, performed the Site Assessment on December 14, 1994. The top of USTs had been exposed and the used motor oil transmission pipelines had been disconnected prior to the arrival of WSI personnel. All pipelines associated with the tanks have been removed.

Each excavation measured approximately 10 feet x 10 feet x 7 feet deep. The soil in the excavations appeared clean. The TLC field screening conducted on seven soil samples taken from the excavations revealed no apparent contamination.

### 3.3 Tank Inspection

Soil and scale attached to the tank was removed to completely expose the tanks for inspection. The tanks showed signs of incipient corrosion and pitting but no holes were observed. Refer to Photographs 4 and 5 for the condition of the tanks.

### 3.4 Initial Sampling/Site Assessment

On December 14, 1994, a total of 13 soil samples were collected from the excavations and the soil stockpile for TLC field screening and laboratory analysis. The TLC field screening of the samples RUC-0294-101, 102, 104, 105 from the excavation #1 and samples RUC-0294-202, 204, and 205 from the excavation #2 revealed no apparent contamination.

Ref. # RUC-0294

Samples RUC-0294-101 through 104 were collected from the east, south, west and north walls of the excavation #1 at a depth of approximately 3.5 feet. Sample RUC-0294-105 was collected from the bottom of the excavation #1 at a depth of 7 feet. The samples RUC-0294-106 through 108 were collected from the soil stockpile. The stockpile consists of approximately 20 yards of soil removed from the two excavations. The samples RUC-0294-201 through 205 were collected from the excavation #2. The samples RUC-0294-201 through 204 were collected at a depth of approximately 3.5 feet from the east, south, west and the north walls respectively. Sample RUC-0294-205 was collected from the bottom of excavation # 2 at a depth of 7 feet. Refer to Figure 3, Site Sampling Plan.

A total of 13 soil samples were sent to OnSite for laboratory analyses. The laboratory results revealed contamination levels below the MTCA cleanup level on the walls of both excavations. However, the bottom sample RUC-0294-105 from excavation #1 and the bottom sample RUC-0294-205 from the excavation #2 had total petroleum hydrocarbon contamination of 440 ppm and 310 ppm respectively. The two bottom samples were taken from directly below the waste oil inlets and the discharge outlets of the tanks which were located adjacent to the south wall of the metal building. Refer to Figure 3, Sampling Plan for bottom sample locations. Any further removal of the material from the bottom of the excavations will jeopardize the structural integrity of the building foundation. WSI recommends insitu bioremediation of the site to meet MTCA cleanup requirements. Refer to Table I and Appendix B for analytical laboratory results.

#### 4.0 Soil Analysis Summary

#### 4.1 Petroleum Analysis

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 in this excavation. Washington State Department of Ecology well logs are presented in Appendix G.

Ref. # RUC-0294



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TABLE I: SOIL FIELD SCREENING & LABORATORY ANALYTICAL RESULTS

LOCATION AND DEPTH	SAMPLE #	DATE	TLC ppm	418.1 Modified ppm
East wall/South wall 3.5 feet	RUC-0294-101/102	12/14/94	nd	73
West wall/North wall 3.5 feet	RUC-0294-103/104	12/14/94	nd*	nd
Bottom 7 feet	RUC-0294-105	12/14/94	nd	440
East wall/South wall 3.5 feet	RUC-0294-201/202	12/14/94	nd*	nd
West wall/North wall 3.5 feet	RUC-0294-203/204	12/14/94	nd*	nd
Bottom	RUC-0294-205	12/14/94	nd	310
Stockpile	RUC-0294-106 sp	12/14/94	nt	14,000
Stockpile	RUC-0294-107 sp	12/14/94	nt	360
Stockpile	RUC-0294-108 sp	12/14/94	nt	310

nt = Not Tested

nd = Not Detected

<sup>\*</sup> Samples RUC-0294-103, RUC-0294-201 and 203 were not field screened.

#### 6.0 End Use of Soil

Analytical laboratory results of the stockpile samples revealed evidence of petroleum contamination in excess of the Method A Cleanup Levels as established by the Model Toxics Control Act (WAC 173-340-720). The stockpile consists of Class 3 and Class 4 Soils and should be either properly disposed in compliance with WSDOE regulations or remediated on site to meet the MTCA cleanup requirements.

#### 7.0 Conclusion

Analytical laboratory results revealed petroleum contamination in excess of the MTCA Cleanup Levels remaining in the bottom of the two excavations. Since further removal of the contaminated soil will jeopardize the structural integrity of the building foundation, WSI recommends insitu bioremediation of the site to meet the Method A Cleanup Levels as established by the Model Toxics Control Act (WAC 173-340-720).

#### 8.0 Limitations

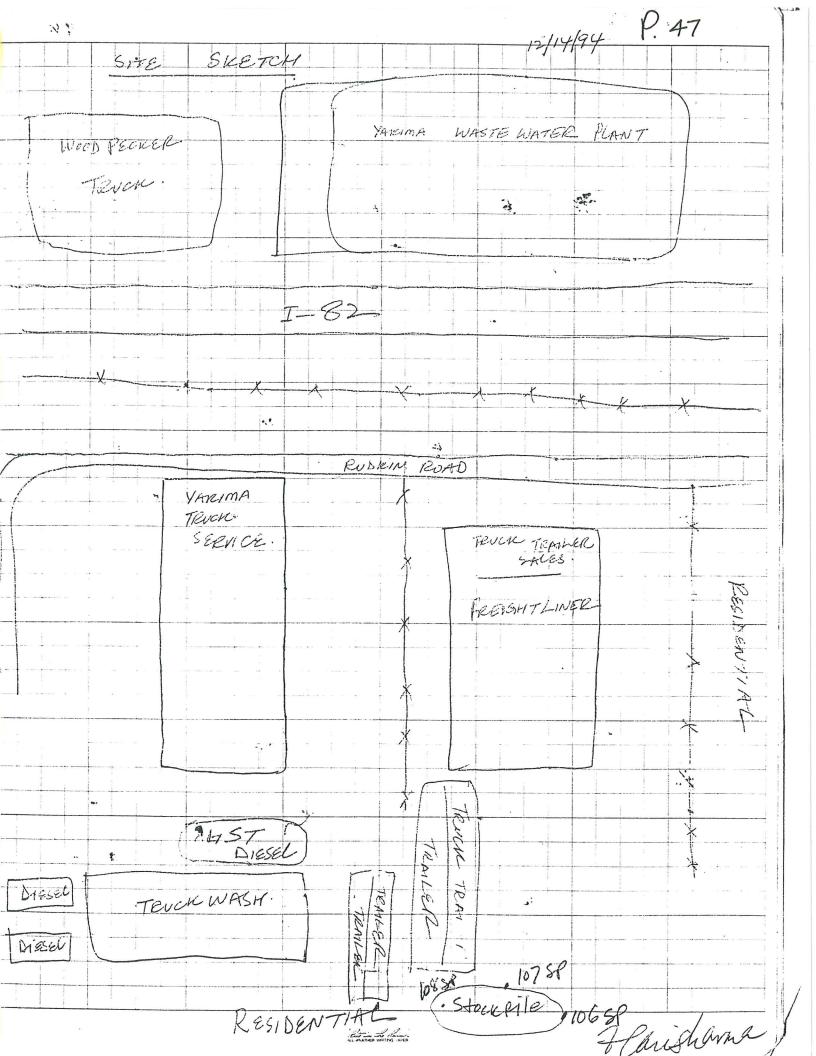
In performing our professional services, WSI uses a degree of care ordinarily exercised under similar circumstances by members of our profession. No warranty, expressed or implied, is made or intended. Our conclusions and recommendations, developed from our field and laboratory investigation reported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

Ref. # RUC-0294

# APPENDIX A

P. 46 DATE: 12/14/94. PROJECT: RUSSEL CRANE PROJECT# RUC-0294 È CLIENT'S REP: DON WURST. WEATHER: SNOWING. LOCATION DATA: 505 LOCUST AVE, YAKIMA WASHINGTON TAX PARCEL # 191323-32414 SW/4, SECTION 23, TIBN, RIGE, WM. OWNER: DON WURST. · SITE VICINITY MAP O SITE SKETCH. HISTORY: DATE OF INSTAURTION - 84EATZS. DATES OF USE AND CUERENT STATUS - Waste of NUMBER OF TANKS - 2 LOCATION - 505 Locust AVENUE. CAPACITY - SOU GAllon Dimension Material of Construction of existing UST System - Steel FILL PIPES, - PUC. VENT PIPENS - Steel C Pumps - none-Pumped by dis VALVES DISTRIBUTION PIPING Hex Connectors · NUMBER AND LOCATION OF ANY PREVIOUSLY REMOVED USTS! TYPES & SUBSTANCES STORED - USED DIE. · DEPTH, WIDTH AND TYPE OF BEDDING/BACKFILL Materials ! 004274 - SITE ID OWNERS - 001934

HariAharmh



9:00 Am. LEFT OFFICE. 9:45 APRIVED AT SITE AND ASKED GREG HUYLAR WHETHER 第 to 12:45 DOE HAS BEEN GIVEN 30 DAY NOTICE OR NOT. DOE HAD NOT BEEN NOTIFIED - TALKED TO DON WURST AND LET HIM KNOW ABOUT THAT. - CALLED Jim CHULOS AND John weiffield of WSDOZE CENTRAL REGIONAL OFFICE and waited for 30 minutes for them to veture our Calla-No response. - Went to DOE OFFICE. TAllied with John weitfald. HE Accompanied us to the site and waived 30 day notice after I gave a letter to him! 12:45 Sketched Safe, took Photographs of to 1:45 Vicinity, interviewed Sunes and Other operator. Contaminated Avil and Streetild it to the Avil EAST CORNER OF THE PROPERTY PREFER TO SEETCH. [REFER TO SKETCH).
[PULLED OUT TANKS - APPEARED TO BE
IN FAIRLY GOOD CONDITION. CORROSCION AND PITTING I HAD STARTED HOWEVER NO HOLES WERE PRESENT. THE MINOR CONTAMINATION AROUND THE FILL AND DISCHARGE PIPE. 1:45 to CONDUCTED 7 TRC TESTS 4.45 THE RESULT 104-102 ND 105 101 ND 204 205 ND) NI) 202 ND for Laboratory analysis Collectel 13 Samples DEPTH sample location 3.51 101 E. WALL 3.51 S. WALL

Used roll -12/14/984 TRUCK ENDIEM 120. N Zil -500 Gallor ARIMA TENCH SERVIE. AND BETTER soo galar AUTO SALES waste out Time NO TEANSBET -THERMO pro in PVC - fill Stell - Vent PIPE ECTANGULAR TANKS Harich ALL WEATHER HOTTHE PAPER

SAMPLE	LOCATION	DEPTH		Istullan	1.50
103	W. WALL	3.51		777774	
104.	N. WALL	3.51			
105	bottom	7'			
106SP	Stockfile				
10758	Stockfile.				
108 SP	Strentile				1
201	Stoenfile E. WALL	3.5'			
202	S. WALL	3.51			
203	W. WALL	3.5'			
204	N. WALL	3.5'			•
205	Bottom	71			
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# APPENDIX B



December 19, 1994 Lab Traveler #:12-046

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 December 17, 1994 from Project RUC-0294.

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.

Sincerely,

Karl P. Hornyik Project Chemist

**Enclosures** 

Date of Report: December 19, 1994 Samples Submitted: December 17, 1994

Lab Traveler: 12-046 Project: RUC-0294

### EPA 418.1 Modified

Date Extracted: 12-19-94 Date Analyzed: 12-19-94

Matrix: Soil

Units: mg/Kg (ppm)

Client ID	Dilution Factor	Total Petroleum Hydrocarbons
RUC-0294-101/RUC-0294-102 Composite	2	73
RUC-0294-103/RUC-0294-104 Composite	2	<20
RUC-0294-105	2	440
RUC-0294-106sp	40	14000
RUC-0294-107sp	2	360
RUC-0294-108sp	2	310
RUC-0294-201/RUC-0294-202 Composite	2	<20
RUC-0294-203/RUC-0294-204 Composite	2	<20
RUC-0294-205	2	310

Date of Report: December 19, 1994 Samples Submitted: December 17, 1994

Lab Traveler: 12-046 Project: RUC-0294

# EPA 418.1 Modified QUALITY ASSURANCE

Date Extracted: 12-19-94 Date Analyzed: 12-19-94

Matrix: Soil

Units: mg/Kg (ppm)

	Dilution Factor	Total Petroleum Hydrocarbons
Method Blank	2	<20
Sample: 12-046-13	2	305
Duplicate	2 2	359
RPD		16%

is Conforth **TURNAROUND?** REQUESTED Norman 9 TRAVELER# Comments Date 12417/94 Fim On Site Flenchon mater Time 1-3 Com Time DRY WEIGHT Analysis Required (13HROW = 1 ij 1 = 1.814-H9TN **Q-H9TN** D-H9TM Received (by Received by. **NTPH-G/BTEX** MTPH-HCID Fim # Jars A OnSite Environmental Inc. Type 1to430, 501L 14924 NE 31st CIRCLE, REDMOND, WA 98052 PHONE (205) 883-3881 FAX (205) 885-4603 Date / Sampled Time Date\_ Time 2 = = 5 = ٢ 1 Sampled = 上 \_ = \_ Ξ == - 103 7 -10850 2037 -107SP 2 102 -243 COMPANY NHITE SHIELD, INC. Ruc-0294-101 25901-282 7 205 102 104 105 PROJECT NAME RUSSEL OLANE Sample Number Formy Milled. MANAGER HARI SHARMA PROJECT # RUC - 0294 Submitted\_ Submitted 1 Dash 5  $\Diamond$ 0 13 e 9 Md MN 7

# APPENDIX C

Table 2 Method A Cleanup Levels – Soil<sup>a</sup>

Hazardous Substance	CAS Number	Cleanup Level
Arsenic Benzene	7440–38–2	20.0 mg/kg <sup>b</sup>
Cadmium Chromium DDT Ethylbenzene Ethylene dibromide Lead Lindane Methylene chloride Mercury (inorganic)	71-43-2 7440-43-9 7440-47-3 50-29-3 100-41-4 106-93-4 7439-92-1 58-89-9 75-09-2	0.5 mg/kg <sup>c</sup> 2.0 mg/kg <sup>d</sup> 100.0 mg/kg <sup>e</sup> 1.0 mg/kg <sup>f</sup> 20.0 mg/kg <sup>g</sup> 0.001 mg/kg <sup>f</sup> 250.0 mg/kg <sup>f</sup> 1.0 mg/kg <sup>f</sup> 0.5 mg/kg <sup>k</sup>
PAHs (carcinogenic) PCB Mixtures Tetrachloroethylene Toluene TPH (gasoline) TPH (diesel) TPH (other) 1,1,1 Trichloroethane	7439–97–6 127–18–4 108–88–3	1.0 mg/kg <sup>n</sup> 1.0 mg/kg <sup>n</sup> 1.0 mg/kg <sup>n</sup> 0.5 mg/kg <sup>o</sup> 40.0 mg/kg <sup>p</sup> 100.0 mg/kg <sup>q</sup> 200.0 mg/kg <sup>r</sup> 200.0 mg/kg <sup>s</sup>
richloroethylene Sylenes	71–55–6 79–01–5 1330–20–7	200.0 mg/kg <sup>t</sup> 20.0 mg/kg <sup>u</sup> 0.5 mg/kg <sup>u</sup> 20.0 mg/kg <sup>v</sup>

- Caution on misusing method A tables. Method A tables have been developed for specific purposes. They are intended to provide conservative cleanup levels for sites undergoing routine cleanup actions or those sites with relatively few hazardous substances. The tables may not be appropriate for defining cleanup levels at other sites. For these reasons, the values in these tables should not automatically be used to define cleanup levels that must be met for financial, of the values in these tables do not necessarily trigger requirements for cleanup action under this chapter.
- Arsenic. Cleanup level based on background concentrations in the state of Washington.
- <sup>c</sup> Benzene. Cleanup level based on protection of ground water.
- <sup>d</sup> Cadmium. Cleanup level based on plant protection.
- <sup>e</sup> Chromium. Cleanup level based on health risks associated with inhalation of resuspended dust.
- DDT. Cleanup level based on concentrations derived using the procedures in subsection (3)(a)(iii)(B) of this section.
- Ethylbenzene. Cleanup level based on protection of ground water.
- <sup>h</sup> Ethylene dibromide. Cleanup level based on protection of ground water.
- Lead. Cleanup level based on preventing unacceptable blood lead levels.

- Lindane. Cleanup level based on concentration derived using the procedures in subsection (3)(a)(iii)(B) of this section.
- <sup>k</sup> Methylene chloride. Cleanup level based on protection of ground water.
- <sup>1</sup> Mercury. Cleanup level based on protection of ground water.
- PAHs (carcinogenic). Cleanup level based on concentration derived using the procedures in subsection (3)(a)(iii)(B) of this section.
- PCB Mixtures. Cleanup level based on concentration derived using the procedures in subsection (3)(a)(iii)(B) of this section.
- o Tetrachloroethylene. Cleanup level based on protection of ground water.
- P Toluene. Cleanup level based on protection of ground water.
- <sup>q</sup> Total Petroleum Hydrocarbons (gasoline). Cleanup level based on protection of ground water.
- Total Petroleum Hydrocarbons (diesel). Cleanup level based on protection of ground water.
- <sup>s</sup> Total Petroleum Hydrocarbons (other). Cleanup level based on protection of ground water.
- <sup>t</sup> 1,1,1 Trichloroethane. Cleanup level based on protection of ground water.
- " Trichloroethylene. Cleanup level based on protection of ground water.
- Y Xylenes. Cleanup level based on protection of ground water.

# APPENDIX D



### UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

- 7	For Office Use Only
Owner #	UD001934
Site #	004794
	1 1 / 1 /

INSTRUCTIONS:

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 Ecol	ogy if the tanks a	re registered): 004274	
Site/Business Name: BET				5011
				Ky,
Site Address: 1618 Rv.	Street	i elepnone:	575-1830	-
YAZ	UMA	WA	98901	
	City	State	ZIP-Code	
TANK INFORMATION		· 221 a	e i General e agrico	
Tank ID No.	Tank Cap	pacity	Substance Stored	
3	50	D .	USED MOTOR OIL	1 1
4	50	$\triangle$	USED MOTOR OIL	
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<b>REASON FOR CONDUCTING</b>	SITE CHECK/SIT	E ASSESSMENT		711
Check one:	atad ralassa dua ta	on cita anvironm	ental contamination//	
Investigate suspe	cted release due to	off-site environm	ental contamination	
Extend temporary	cled release due to closure of UST sys	tem for more that	oll 2 months	-
LIST system under	ergoing change-in-se		JAN 1 7 1995	
LIST system perm	nanently closed-in-r		III III SANTI I IOOC	
	nanently closed with		FOOLOGY	
Abandoned tank	containing product.	talik leliloved.	ECOLOGY	1
Abandoned tank	nov or delegated ac	ency for LIST sys	tem closed before 12/22/88.	
Other (describe):	by or delegated ag	ency for OOT Bys	5.5554 551515 1222 55.	
Other (describe):				

Each it	KLIST  em of the following checklist shall be initialed by the person registered with the Department of	Ecolog	y .
whose	signature appears below.	YES	NO
1.	The location of the UST site is shown on the vicinity map.	HS	
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)	MS	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	HS	
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	7
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	H5	
	- groundwater samples distinguished from soil samples (if applicable)	NA	
	- samples collected from stockpiled excavated soil	HS	A I
	- tank and piping locations and limits of excavation pit	H5	
	- 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)	"N/A	
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.	HS	
12.	The results of this site check/site assessment indicate that a confirmed release of regulated substance has occured.	HS	
0.75	ACCECCOD INFORMATION		

Mallo Service M

12. The results of this site check/site a regulated substance has occured.	assessment indicate that a co	nfirmed release of	145
SITE ASSESSOR INFORMATION	The Mark Control	1	desire in
HARI SHARMA		WHITE SHIELD,	INC.
PERSON REGISTERED WITH ECOLOG		FIRM AFFILIATED	
BUSINESS ADDRESS: 801 GRAND	RIDGE FOAD		2-1144
GRANDVIEW	WA	9893	30
CITY	STATE	ZIP+COI	DE
I hereby certify that I have been in respo described above. Persons submitting fals	nsible charge of performing se information are subject to	the site check/site asse ppenalties under Chapt	ssment er 173-360
WAC. 12/29/94	Haricha	m	•
Date	S	ignature of Person Registered with	Ecology
			page 2

# APPENDIX E

UNDERGROUND S TEMPORARY/PERM and SITE ASSESSM See back of form form Please I the app Please type or print inform Temporary Tank Closure	IANENT CLOSURE IENT NOTICE or instructions ropriate box(es)	For Of Owner #	fice Use Only  O 9 3 4  Site Assessment/ Site Check
SITE INFORMATION:		00/127	11
Site ID Number (on invoice or available from Ecolo Site/Business Name: YARIM A TRANSPORTSITE Address: 1618 RVDKIN Street MARIMA	gy if the tanks are registered): ET SERVICE & PE ROAD	ETTER All AUT	
City		State	ZIP-Code
TANK INFORMATION:  Tank ID  Closure Date  12/14/94  12/14/94	BECEI	Substance Stored MOTOROIL WETO OIL 995	CONTAMINATION PRESENT AT THE TIME OF CLOSURE  Ves  No  Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab
UST SYSTEM OWNER/OPERATOR:  UST Owner/Operator:	Jenst		
Owners Signature: Donald a-(  Address: 1618 Rui) KIN ROAS  Street	Telephone: (_	504, 965 - e	1694
YARIMA Street  City		P.O. Box  WA  State	98901 ZIP-Code
TANK CLOSURE/CHANGE-IN-SERV	ICE PERFORMED BY:		
Service Provider: RVSSELL CRANE  Licensed Supervisor: Supervisors Signature:	SERVIEE, INC. Lic De Lic	cense Number:ecommissioning cense Number:	
Street	AVENUE	P.O. Box	COCOI
- YARIMA		State	98901 ZIP-Code

# PLEASE READ CAREFULLY

# 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

TABLE V. END USE CRITERIA FOR PETROLEUM-CONTAMINATED SOILS Soil Class (ppm) 4 3 2 1 Analytical Analyte Method >2000 200-2000 60-200 <60 WTPH-Heavy fuel 418.1 hydrocarbons mod. (C24-C30) >500 200-500 25-200 <25 WTPH-D Diesel (C12-C24) >250 100-250 5-100 WTPH-G <5 · Gasoline (C6-C12)>0.5 ≤0.5 0.005-0.5 < 0.005 8020 Benzene >.20 ≤20 0.005-20 < 0.005 8020 Ethylbenzene >40 .≤40 0.005-40 <0.005 8020 Toluene >20 ≤20 0.005-20 < 0.005 8020 Xylenes (total)

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

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

# WATER WELL REPORT

STATE OF WASHINGTON

Application	No.	
••		
Permit No.		

cond Copy — Owner's Copy hird Copy — Driller's Copy	TE OF WA	DIBITIO			Vakima	WA 9890	2
Tommy A McCabe		Address22	15 S. 30	th Ave.	.¼ Sec 29	13 <sub>N. R</sub> 1	9E <sub>.w.м.</sub>
					.14 Sec		
earing and distance from section or subdivision corner LC	06 27 6	TOTAL C		acts			
	nicipal 🗆	(10) WE	LL LOG:		· · · · · · · · · · · · · · · ·	erial and struc	ture, and
B) PROPOSED USE: Domestic XX Industrial   Mu   Irrigation   Test Well   Other	ner 🗆	Formation: show thickn stratum pen	Describe by ess of aquife etrated, wit	color, chara ers and the l h at least or	cter, size of mat cind and nature ne entry for eac		ormation.
1) TYPE OF WORK: Owner's number of well (if more than one)			M	ATERIAL			2
Now well  Method: Dug	Borea D	Grass	& clay			0	
Deepened	Driven □   Jetted □					2	13
Reconditioned ☐ Rotary ☑	Jetted [	Sand,	Gravel,	Boulder	CS		
Dimensions: Diameter of well 6	inches.				w/water	13	58
6) CONSTRUCTION DETAILS:					¥1		<del> </del>
Casing installed:	54 ft.				•		
" Diam from It. to .							
Welded	ft.						<del></del>
							1
Perforations: Yes \( \text{No } \overline{\text{Ex}} \)  Type of perforator used							
perforations from ft. to perforations from ft. to			C Liner	Inctal	led		
perforations from		NO PV	Сппег	HISCAL			
Screens: Yes   No KK							<del></del>
		6" Dr	rive sho	e insta	lled		
Manufacturer's Name		0 1/1	TVC DIZ			·	
Diam. Slot size from ft. to	ft.						<del> </del> -
· ·							
Gravel packed: Yes ☐ No 反 Size of gravel:	ft.						
	18 "						
Surface seal: Yes KK No   To what depth?	10 n.						
Surface seal: Yes XX No 1 10 what depart many material used in sealbentonite	□ No □						
Did any strata contain unusable water	<b>1</b> 3	.				٠	
Method of sealing strata offCasing		:	ME	ABI	MISIN		
		.		(A) E		, and	
(7) PUMP: Manufacturer's Name	P	.			. !!!!		
1tion				MARY 1	1986   1	1	
(8) WATER LEVELS: Land-surface elevation above mean sea level	2 /11 /86	-			į.	:	
11 the below top of well Date			NESA	ATMENT O			
ins per square men			CEst	TRAL HEST			
Artesian water is controlled by (Cap, valve	, etc.)	-		9		0 /27	
(9) WELL TESTS: Drawdown is amount water lowered below static level		Work st	arted2/1	0	1986. Comple	ted2/11	19.3
Was a pump test made? Yes No A If yes, by whom?	hr	s. WEL	L DRILL	ER'S STA	ATEMENT:		hic ranor
Yield: 50+ gal./min. with n. drawdown area	1)	Th	s well was	s drilled ur	nder my juriso	nction and the	III2 Lebor
ESTIMATED AIRLIFT "	"	true to	the best	Of my kind	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•
when pump turned off)	(water lev	el	ם אורובי	ROSA DRI	LLING & D	EVELOPMEN	T INC.
easured from well top	Water Leve	NAMI	C LOINDE	Person, firm	, or corporation	) (Type	or print)
Water Level Time Water Level			F 60	10 Broad	iway, Spok	ane, WA	99212
		Addre	ss. L. OU				
			1	The !	Um 1	~	
		[Sign	ed]	-1,000	(Well Dri		
in withft, drawdown after	erh	w	Joseph 9	MOSE Jr	· Data	2/11	, 19.
g.p.m. Date	? Yes 🗆 No		se No	7040	Date		
Was a chemical analysis made		1					

116	OUR CERTIFICATION OF THE PROPERTY OF THE PROPE	START CARD NO. 261263
1.1	YAKima Wash, COUNTY:	YAKIMA
PROJECT NAME: Spray Field		1/6 1/2 6 1/4 Seo 67 TWILESTON
WELL IDENTIFICATION NO. MILLING THE THOD: TELLUSSION THA	mmer- Keverse AIR STREET AD	DRESS OF WELL: 2220 E. VISTE
DRILLER KILLIAND SIMELIE	YAKIV	MC, WA
FIRM: Layne Environmental	Court coc inc . Water th	VEL ELEVATION.
BIGNATURE: WILL MINE	GROUND'S HISTALLED	UBEACE ELEVATION:
CONSULTING FIRM:	1911.	0 - 11 07
REPRESENTATIVE: 11m 0'C	DEVELOPE DEVELOPE	
10 DUNT	WELL DATA	FORMATION DESCRIPTION
AS-BUILT	1,222	
	STEEL SURFACE MONUMENT	D-23' sand, Gravels Cobbles
	W/LOCK 31 FT. ABOVE G.L.	Chles
	PROTECTIVE POSTS	
1100 400	CONCRETE SURFACE SEAL TO A FT	
		<u>}</u>
	WELL CSG+2 TO 13 FT	
	2" SCH 40 TFJ PVC	DEGETVED
	ANNULAR SEALANT	
	ANNULAR SEALANT TO 9'6" FT	SEP 10 1992 1111
	Bentonite chips	
	SEALFT	
	FILTER PACK	ŗ.
	10-20 Colorado Silica	
	SCREEN INTERVAL	•
	13' TO 35 F	T:
	SCH 40 TFJ PVC  "COO FACTORY SLOTTED	• .
	(38)	·
		•
	-HOLE: DIAMETER	,
	TO 23 9 IN.	
TOTAL DEPTH 23 FT.		
.101111 1011 111 010 111	:	
3.00		1 . 7

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

## WATER WELL REPORT

Application	No.
Permit No.	

Third Copy — Differ's Copy STATE OF V	VASHINGTUN Permit No
(1) OWNER: Name Lawrence Moser	Address
OCATION OF WELL.	_/14/4 SE4 Sed 9 T. 13 N. R/9 W.M.
aring and distance from section or subdivision corner	
(3) PROPOSED USE: Domestic Industrial Indust	(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	
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL FROM TO
Deepened	TOP SOIL
Reconditioned	Child Dut
(5) DIMENSIONS: Diameter of well inches.	Grava), NIVI
Drilled Q T ft. Depth of completed well q 5 ft.	Bouldars, Collies
70	1500111 ers, co6010s
(6) CONSTRUCTION DETAILS:	1 - 4 / 4 / 4
Casing installed: "Diam. from #1 ft. to 69 ft.	Gravel, Sand, SILT LID 62
Threaded Diam. from ft. to ft.	NATYOUI COMP A
Welded Diam. from ft. to ft.	SILT LAMSES 56-58
Perforations: Yes (2) No [	
Type of perforator used	Cobbles, gravel 62 74
SIZE of perforations in. by in in	
perforations from ft. to ft.	conglom exate gray
perforations from ft. to ft.	al narrow Grown
Screens: Yes No 🗆	604 & SILI 1843, 74 47
Manufacturer's Name	17 18
Type Model No	avavel, w/ brown
Diam. Slot size from ft. to ft.	cand water 92 95
Diam. Slot size from ft. to ft.	3-11-7
Gravel packed: Yes No   Size of gravel:	
Gravel placed from ft. to ft.	I TEGETARINI
Surface seal: Yes No To what depth? 74 tt.	
Material used in seal LS2 NTO NIT-	111 3082
Did any strata contain unusable water? Yes No	
Type of water? Depth of strata	DEPARTMENT OF COLORS
	CENTRAL REGION D
(7) PUMP: Manufacturer's Name	No GAS Canday
Type: H.P	oder
(8) WATER LEVELS: Land-surface elevation above mean sea level ft.	1
Static levelft. below top of well Date	
Artesian pressure	
Artesian water is controlled by(Cap, valve, etc.)	
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	- 10 00 5 D D - 00
Was a pump test made? Yes No If yes, by whom?	Work started 5 - 17 19.8 2 Completed 5 - 2 0 - 19.8 2
Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:
n n n	This well was drilled under my jurisdiction and this report is
0 0 0	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)	accel Cuell Dulling
Time Water Level   Time Water Level   Time Water Level	NAME Case (Person, firm, or corporation) (Type or print)
	Address 1308 Voul het Vakinne
Date of test gal./min. with ft. drawdown afterhrs.	[Signed] (Well Driller)
Bailer testgai./min. withit. drawdown after	
Temperature of water Was a chemical analysis made? Yes No	License No. C.C. 7.3 Date 5
	$CO \sim 2 \sim 20$

marine 3

File Original and First Copy with Department of Ecology

## WATER WELL REPORT

Application	No.	
Permit No.		

Original and First Copy with artment of Ecology's Copy	WAILUR WELL	CONTROL	Permi	t No	
	STATE OF WA	ASHINGTON	- 11.1.1	1/46	ı.A
d copy	1 Atame Tr	15tadress 1809	EVIOLA	O 12	0
OWNER: Name Wite 50	M. Veluvis	/)/	IW SE Sec 2	9 <sub>T.</sub> 1.5 <sub>N., R.</sub> 1	
A THE THE TANK OF THE TANK OF	KIMIT		Goodwin's Five	Acres Tr	ads
ig and distance from section or subdivision con	mer SFY City	YUNARY	C-Dett With		+
ig and distance from section of subdivision		(10) WELL LOG:			turn and
	trial 🗌 Municipal 🗌	(10) 11222	- 1 tor 0170 OI	material and structure of the materi	cture, and al in each
) PROPOSED USE: Domestic M Indus	Well   Other	Formation: Describe by show thickness of aquif stratum penetrated, wit	ers and the kind and nat	each change of	formation.
		Strucuit person.		FROM	TO
Owner's number of	well  Dug:   Bored	- M	ATERIAL	0	5
if more than one,	Dug.   Bored	TOP SOIL		20 5	75
Mem men -	Cable Driven	possel SA	n ad Bould	263 3	
Deepened  Reconditioned	Rotary D Jetted	CORD	<u></u>		-
	1.				<del></del>
5) DIMENSIONS: Diameter of we	ell inches.	- PA - Q 14	ATER 25-35	·	
Drilledft. Depth of complete	d well	SURTATION	7.0		
Dime		WATER 50	7-70		
6) CONSTRUCTION DETAILS:	11				
	O ft. to 60 ft.				
Casing installed: "Diam. from" Diam. from	ft. to ft.				
Threaded L	ft. to ft.				+
Welded 2 Diam. From					+
Perforations: Yes   No 19					-
I CIZOTANA					-
Type of perforator usedir	n. by in.				
SIZE of perforations	ft. to ft.				
perforations from perforations	ft. to ft.				
perforations from perforations	ft. to It.				
perzor	•			<del></del>	_
Screens: Yes   No					
		"			
Manufacturer's Name	Model Noft				
Type Slot size from	# to ft	t.	,		
Diam. Slot size from	11, 10				
-/0	of gravel:				
Gravel placed from	ft to f	t.			
Gravel placed from	10				7
Surface seal: Yes No To wh	at depth? 1 0 f	t.			
Material used in seal [3 9 7 7 2	ile.		1.	· ****	-
Material used in state unusable Wi	ater? Yes \ No		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	711	
Type of water?  Method of sealing strata off					
			G. And Sales		
(7) PUMP: Manufacturer's Name					
(7) PUMP: Manufacturer's Name	Н.Р		UEDVOLLING :		
		11 N N N N N N N N N N N N N N N N N N	<u> </u>		
		.it			
(6)				1	
ft. below top o	# well Date				
Static levelft. below top orlbs. per square	# well Date				
	f well Date e inch Date				
Artesian pressureArtesian water is controlled by	f well Datee inch Date			5-/	3 1
Artesian pressure	f well Date			mpleted 5 -/	<u></u>
Artesian pressure	f well Date	work started \$	-14 1979 co	mpleted 5	<u></u>
Artesian pressure	f well Date	Work started	-/Y 1979 co	NI:	
Artesian pressure  Artesian water is controlled by	f well Date	Work started 5	-/Y 1979 co	NI: jurisdiction and	
Artesian pressure  Artesian water is controlled by	f well Date	Work started 5	-/Y 1979 co	NI: jurisdiction and	
Artesian pressure  Artesian water is controlled by	f well Date	work started	LER'S STATEMEN as drilled under my j	ourisdiction and and belief.	
Artesian pressure  Artesian water is controlled by	f well Date	Work started. S	ER'S STATEMENT of my knowledge a	urisdiction and helief.	this rep
Artesian pressure  Artesian water is controlled by	f well Date	work started S  WELL DRILI  This well was true to the best	ER'S STATEMEN as drilled under my j of my knowledge a	jurisdiction and ind belief.	this rep
Artesian pressure  Artesian water is controlled by	f well Date	work started S  WELL DRILI  This well was true to the best	ER'S STATEMEN as drilled under my j of my knowledge a	jurisdiction and ind belief.	this rep
Artesian pressure  Artesian water is controlled by	f well Date	work started S  WELL DRILI  This well was true to the best	ER'S STATEMEN as drilled under my j of my knowledge a	jurisdiction and ind belief.	this rep
Artesian pressure  Artesian water is controlled by	f well Date e inch Date (Cap, valve, etc.)  amount water level is static level by whom? awdown after " " " " " " " " " " " " " " " " " " "	work started S WELL DRILI This well was true to the best	ER'S STATEMENT of my knowledge a	jurisdiction and ind belief.	this rep
Artesian pressure  Artesian water is controlled by	f well Date e inch Date (Cap, valve, etc.)  amount water level is static level by whom? awdown after " " " " " " " " " " " " " " " " " " "	work started S WELL DRILI This well was true to the best	ER'S STATEMENT of my knowledge a (Person, firm, or corporate of the control of th	jurisdiction and ind belief.  (Type	this repo
Artesian pressure  Artesian water is controlled by	f well Date e inch Date (Cap, valve, etc.)  amount water level is static level by whom? awdown after " " " " " " " " " " " " " " " " " " "	work started. S  WELL DRILI  This well was true to the best well  NAME. Address. 2.2.2.	ER'S STATEMENT of my knowledge a (Person, firm, or corporate of the control of th	jurisdiction and ind belief.	this repo
Artesian pressure  Artesian water is controlled by	f well Date e inch Date (Cap, valve, etc.)  amount water level is static level by whom? awdown after " " mp turned off) (water level Del Time Water Level drawdown after	work started \$\frac{\sqrt{\sq}}}}}}}}}} \sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \sqrt{\sqrt{\sqrt{\sq}}}}}}}} \sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt	ER'S STATEMENT of my knowledge a (Person, firm, or corporate of the control of th	jurisdiction and had belief.  (Type of the belief)	this repo
Artesian pressure  Artesian water is controlled by	f well Date e inch Date (Cap, valve, etc.)  amount water level is static level by whom? awdown after " " " " " " " " " " " " " " " " " " "	work started. S  WELL DRILI  This well was true to the best well  NAME  Address. D. D.  [Signed]	ER'S STATEMENT of my knowledge a (Person, firm, or corporate of the control of th	jurisdiction and ind belief.  (Type	this rep

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

## WATER WELL REPORT STATE OF WASHINGTON

		0.50
Application	No.	
**		
		9
Permit No.		

OWNER: Name Tommy A. McCabe	Address 215 S. 30th Ave., Yakima, WA 98902
OCATION OF WELL: County YAKIMA	NE 14 SE 14 Sec 29 T 13 N, R 19Ewm
	Gibler Garden Tracts
(3) PROPOSED 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 ☐	Clay, yellow w/gravel 58 61
Deepened ☑ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☑ Jetted ☐	
(5) DIMENSIONS: Diameter of well	Cemented gravel w/boulders
(5) DIMENSIONS: Diameter of well	<u>w/water</u> 61 76
	Clay seam, yellow 76 77
(6) CONSTRUCTION DETAILS:	City Scall, yellow
Casing installed: 6 "Diam. from 54 ft. to 79 ft.	Gravel, coarse w/water 77 83
Threaded	
D-uf-u-tions	
Perforations: Yes No X  Type of perforator used	l ————————————————————————————————————
SIZE of perforations in. by in.	
perforations from ft. to ft	NO PVC Liner installed
perforations from ft. to ft.	·
	6" Drive shoe installed
Screens: Yes  No 🛱	
Type Model No	
Diam. Slot size from ft. to ft.	
Diam. Slot size from ft. to ft.	
Gravel packed: Yes NoXX Size of gravel:	
Gravel placed from ft. to ft.	
Surface seal: Yes   Noxx To what depth? ft.	
Material used in sealinstalled previously  Did any strata contain unusable water? Yes \( \) No \( \)	
Did any strata contain unusable water? Yes No Type of water? Depth of strata	
Method of sealing strata off	DEGENVED
(7) PUMP: Manufacturer's Name	
Type:	
(8) WATER LEVELS: Land-surface elevation	\\
tatic level 10 ft. below top of well Date 3/04/86	
Artesian pressure	DEPARTMENT OF ECOLOGY
Artesian water is controlled by(Cap, valve, etc.)	CENTRAL NEGION OFFICE
0) WELL TESTS. Drawdown is amount water level is	2/00
lowered below static level	Work started
Vas a pump test made? Yes \( \subseteq \) No \( \mathbb{X} \) If yes, by whom?	WELL DRILLER'S STATEMENT:
" FSTIMATED ATRIJET" "	This well was drilled under my jurisdiction and this report is
0 0 0	true to the best of my knowledge and belief.
ecovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	DONNEROSA DETITAC C DEGRET ODMENTI TAC
Time Water Level   Time Water Level   Time Water Level	NAME PONDEROSA DRILLING & DEVELOPMENT INC.  (Person, firm, or corporation) (Type or print)
	E 6010 Broadway Spokane WA 99212
	Address
Date of test	(Signal) W. Say / Show - h
ailer testgal./min. withft. drawdown afterhrs.	W. Joseph Caose Jr. (Weit Driller)
rtesian flowg.p.m. Date	License No. 1040 Date 3/04 19.86
emperature of water	200000000000000000000000000000000000000

(USE ADDITIONAL SHEETS IF NECESSARY)



#### ATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. \_

033726

Start Card No. \_

Third Copy-Driller's Copy Yakima. Maid O Clover 1802 E. Nob Hill (1) OWNER: Name\_ Address Parcel # 191329-4243344 Yakima LOCATION OF WELL: County\_ 1802 E. Nob Hill (2a) STREET ADDDRESS OF WELL (or nearest address). ☐ Domestic ☐ Irrigation (10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION PROPOSED USE: Industrial Municipal Test Well Other X ☐ DeWater 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. TYPE OF WORK: Owner's number of well (if more than one) MATERIAL Method: Dug Abandoned New well Bored 0 Asphalt Cable Driven Deepened Reconditioned Rotary 🕱 Jetted 4" Clay Loam (5) DIMENSIONS: Diameter of well\_ Conglomerate gravel inches. w/brn. 60 60 feet. Depth of completed well\_ 2.8 xxxxx clay **CONSTRUCTION DETAILS:** 36 Conglomerate gravel sand Casing installed: " Diam. from\_ Welded Diam. from\_ 56 60 Threaded Conglomerate gravel sand Perforations: Yes Type of perforator used \_ SIZE of perforations. \_\_ perforations from \_\_ perforations from\_ perforations from No X Screens: Yes Manufacturer's Name \_\_ Model No.\_ Slot size\_\_\_ from \_from\_\_ No Size of gravel Gravel packed: Yes DEPARTMENT OF ECOLOGY CENTRAL REGION OFFICE Gravel placed from. ft. Surface seal: Yes No To what depth?\_
Material used in seal Bentonite No X Did any strata contain unusable water? Yes \_Depth of strata Type of water?\_\_\_ Method of sealing strata off\_ PUMP: Manufacturer's Name 24 24 Jan 15 Land-surface elevation WATER LEVELS: above mean sea level \*\*\*\*\*\*\*\* : .3 20 ft. below top of well Date \_ Static level \_ Artesian pressure \_\_\_\_\_\_ lbs. per square inch Date \_ Artesian water is controlled by \_\_ (Cap, valve, etc.)) 1990 Work started. 19. Completed. WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No If yes, by whom? Bach WELL CONSTRUCTOR CERTIFICATION: \_\_ 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. Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) Time Time Water Level Water Level Time Water Level NAME Bach Well Drilling Co.
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT) Birchfield Rd. Yakima, Wa. 989 Date of test. (Signed)\_ Bailer test \_\_\_\_ \_\_\_\_ ft. drawdown after \_ (WELL DRILLER) \_\_\_ gal./min. with \_\_\_ Contractor's \_\_ gal./min. with stem set at \_\_ Registration No. BACHWDC1 37NU Date \_\_ g.p.m. Date \_ Temperature of water 58 Was a chemical analysis made? Yes No 🔀 (USE ADDITIONAL SHEETS IF NECESSARY)

#### WATER WELL REPORT

STATE OF WASHINGTON

Start Card No.

033726

Third Copy-Driller's Copy Water Right Permit No. Maid O Clover Yakima, Wa 202 E. Ave. (1) OWNER: Name\_ Address Parcel # 191329-42433 Yakima LOCATION OF WELL: County\_\_\_ (2)1802 E. Nob STREET ADDDRESS OF WELL (or nearest address). **Domestic** PROPOSED USE: Industrial Municipal (10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION Irrigation Test Well □ Other X ☐ DeWater 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, TYPE OF WORK: Owner's number of well (if more than one) with at least one entry for each change of information. MATERIAL FROM Abandoned X New well ☐ Method: Dug Bored [ Cable Deepened Driven Jetted Reconditioned Rotary PRESSURE GROUTED WELL AND DIMENSIONS: Diameter of well\_ <u>FILLED WELL WITH BENTONITE</u> inches. \_feet. Depth of completed well\_ **CONSTRUCTION DETAILS:** Casing installed: \_\_\_ Diam, from\_ Diam. from\_ Liner installed 🗌 Threaded Diam, from\_ Perforations: Yes No Type of perforator used . SIZE of perforations \_ perforations from\_ \_ft. perforations from. perforations from\_ CENTRAL REGION OFFICE Screens: Yes Manufacturer's Name. Slot size\_ Diam ... from\_ Slot size. Gravel packed: Yes Gravel placed from. ft. To what depth?. Surface seal: Yes Material used in seal. Did any strata contain unusable water? Yes Depth of strata Method of sealing strata off\_ PUMP: Manufacturer's Name Land-surface elevation WATER LEVELS: (8) above mean sea level \_ ft. below top of well Date \_ Artesian pressure \_\_\_\_ \_\_\_ lbs. per square inch Date\_ Artesian water is controlled by \_\_\_ (Cap. valve, etc.)) 4-6 4-6 Work started 19. Completed WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No 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. 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 Bach Well Drilling Co. (TYPE- OR PRINT) (PERSON, FIRM, OR CORPORATION) Birchfield Rd. Yakima, Wa. 9890 Date of test\_ License No. (Signed) Bailer test \_ \_ gal./min. with \_ (WELL DRILLER) Contractor's \_\_\_\_ gal./min. with stem set at \_ Registration HWDC 137NU Date Artesian flow \_ \_\_\_\_\_ g.p.m. Date \_ \_ Was a chemical analysis made? Yes ☐ No ☐ Temperature of water\_ (USE ADDITIONAL SHEETS IF NECESSARY)

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

Start Card No. 0803 Ju

STATE OF WASHINGTON

Secon	Drillar's Conv	STATE OF W		Water Right Perm	nit No		- DA7-
	Da . D . 25 05 00		Address	12135.18	IM SI. YAKI	MAW	K 789
			/idarooo_	2) 5	E 14 Sec 29 T.	13	19
21	LOCATION OF WELL: County YAKIMA		4 67	<u> </u>	C 1/4 Sec OL T.	N., H.	
(2) (2)	STREET ADDDRESS OF WELL (or nearest address)	60 S 18	TR ST.				
		Municipal 🗆	(10) WELL	LOG or ABANDO	ONMENT PROCED	URE DESC	CRIPTION
(3)	PROF OSED OSE.   Irrigation	Other 🗆			acter, size of material nature of the material in	and structure	and show
_	□ Detruiei			ifers and the kind and entry for each change			_
(4)	TYPE OF WORK: Owner's number of well (if more than one)			MATERIAL		FROM	34
	Abandoned New well M. Method: Dug Deepened Cable D	Bored ☐ Driven ☐	GRAVEL	COBBLES	C:17	24	28
	Reconditioned Rotary R	Jetted 🗆	GRAUTI		SILT	28	33
(5)	DIMENSIONS: Diameter of well	inches.	GARVEL		CIAY	33	40
(5)	Drilled 10 feet. Depth of completed well	ft.	GRAVE				
(6)	CONSTRUCTION DETAILS:						-
(0)	Casing installed: Diam. from 3ft. to	37_ft.					-
	Welded Diam, fromft. to_	ft.					
	Liner installed Threaded Diam. from ft. to_	ft.					
	Perforations: Yes No						
	Type of perforator used						
	SIZE of perforations in. by	in.				-	-
	perforations fromft. to	ft.					-
	perforations fromft. to	ft.					-
	perforations from ft. to	ft.				-	+
_	Screens: Yes No						-
	Manufacturer's Name				r.		
	Type Model	No					+
	DiamSlot sizefromft. to	ft.		1		-	
	DiamSlot sizefromft. to	,ft.					
_	Gravel packed: Yes No Size of gravel						+
	Gravel placed from ft. to	ft.				-	-=
_	22	)n.					-
	Surrace seal. 168421 110					18 10	1 .
	Material used in seal			110	-0-7-7-1		
		trata		n n			1
	Type of water (				MAK - 5		
_	Method of sealing strata off		T .		1, , , , ,	4	
(7					DEPOTE OF H	OTOGY	}
	Type:	H.P	-		CENTRAL REGION	)i-FICE	
(8)	WATER LEVELS: Land-surface elevation above mean sea level	ft.					
	Static level ft. below top of well Date	-31-91					
	Artesian pressureIbs. per square inch Date		-				
	Artesian water is controlled by(Cap, valve, e	tc.))	Work started	1-30-9	L, 19. Completed	1-3/-	9/. 19
10	) WELL TESTS: Drawdown is amount water level is lowered by	elow static level			0.00		
(3	Was a numn test made? Yes No If yes, by whom?		·   WEII CO	NSTRUCTOR C	ERTIFICATION:		of this wall
	Yield: gal./min. with ft. drawdown after	hrs	· I consti	ructed and/or acce	opt responsibility for all Washington well	construction	n standards.
_		1	and its	compliance with	formation reported ab	ove are true	e to my best
_	Recovery data (time taken as zero when pump turned off) (water le		knowle	dge and belief.			
	from well top to water level)		ī	DIEDE IIK	11 Doulin	1. 11	IC.
	Time Water Level Time Water Level Time	Water Level	NAME	(PERSON, FIRM.	OR CORPORATION)	(TYP	E OR PRINT)
_				DORON 1	08/2 1 la	AKIMA	989
-			Address _	runup je	JOWE TI		400
	Date of test	11		INENTS	11	nse No	878
		le-	(Signed)_	(WELL DRIL	LER)	IISE NO	
	Bailer test gal./min. with ft. drawdown aft	er nrs	Contractor	'S コフフレー	ሳ	5.9	1
	Airtest gal./min. with stem set at ft. for	nrs	Registration	13351	Date	J-1	, 19
	Artesian flow g.p.m. Date		- 1		AL CLIEFTO IE NE	CESSARY	<b>)</b>
	Temperature of water Was a chemical analysis made? Yes	BLI NOY	1	(USE ADDITION)	AL SHEETS IF NE	OLUURIII,	,

artment of Ecology ond Copy — Owner's Copy aird Copy — Driller's Copy

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#### WATER WELL REPURL

STATE OF WASHINGTON

Permit	No.	/

(1)	OWNER: Name Gene Day	Address 1906 Boggess Yakdas Wn	
(2)	LOCATION OF WELL: County Yakima	- NW 1/4 SE 1/4 Sec. 29 T /3 N, R /9	W.M.
	ng and distance from section or subdivision corner	ittachel goper	
(3)	PROPOSED USE: Domestic 💢 Industrial 🗆 Municipal 🗆	(10) WELL LOG:	
	Irrigation ☐ Test Well ☐ Other ☐	Formation: Describe by color, character, size of material and structur show thickness of aquifers and the kind and nature of the material in stratum penetrated, with at least one entry for each change of form	
<b>(4)</b>	TYPE OF WORK: Owner's number of well (if more than one)		TO !
	New well Method: Dug Bored Deepened Cable Method: Driven	Topsoil 0	1,
٠,	Reconditioned Rotary Jetted	Gravel small loose 1 2	8 1
(5)	DIMENSIONS: Diameter of well inches.		
(0)	Drilledft. Depth of completed wellft.		
	GONGEDICANON DEMANS		
(6)	CONSTRUCTION DETAILS:		
	Casing installed: 6 "Diam. from tt. to 28 ft.		
	Threaded		
	Perforations: Yes   No 🗗		
	SIZE of perforations in. by in.		
	perforations from ft. to ft.		
	perforations from		
	perforations from ft. to ft.		
	Screens: Yes No 💢		
	Manufacturer's Name	RF(FIVED	
	Diam. Slot size from ft. to ft.		
٠	Diam Slot size from ft. to ft.	6 4 R 3 0 1977	
	Gravel packed: Yes   No N Size of gravel:		
	Gravel placed from ft. to ft.	DE: Autaizat OF ECULOGY	
	7.0	CENTRAL REGIONAL UPFICE	
	Surface seal: Yes No To, what depth? 18 ft.  Material used in seal Deninite clay		
	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: H.P		
(8)	WATER LEVELS: Land-surface elevation above mean sea level		
	c level		
Artes	sian 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	To Completed	
Was	a pump test made? Yes \( \simega \) No \( \simega \) If yes, by whom?	Work started	
Yield		WELL DRILLER'S STATEMENT:	
	n n	This well was drilled under my jurisdiction and this repetrue to the best of my knowledge and belief.	ort is
		title to the best of my knowledge and senson	
Reco	very data (time taken as zero when pump turned off) (water level neasured from well top to water level)	NAME Robert V. Hull	
Tir	me Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)	)
•••••		Address RT. 2 Box 2265 Selah, Wash 989	942
••••••••••••••••••••••••••••••••••••••		0 11 14 11	1
	ate of test	[Signed] [ Jakey V Auff	
	r test	(Well Driller)	سو مري
	sian flowg.p.m. Dateg.p.m. Dateg.p.m. Date	License No	97.7
remi	or reaction of the first t		. 1

NAME | Can Control | Can Contr

(USE ADDITIONAL SHEETS IF NECESSARY)

ft. drawdown after....hrs.

S. F. No. 7356—OS—(Rev. 5-69)—5-69.

gal./min. with.../Ø

.....g.p.m. Date.....

Temperature of water...... Was a chemical analysis made \ Y ♣ □ No ⊖

ate of test ......

Bailer test.....

Artesian flow......

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

### WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

No		/	
	No.	No	No

(1) OWNER: Name Mrs. Ruby Brooks	Address 1705 Dalton Lane	
Yokima Vakima	_ NW ¼ SE ¼ Sec. 29 т1	3 м, в 19 wм.
Bearing and distance from section or subdivision corner Behind f	Cairgrounds	<u> </u>
	(10) WELL LOG:	
(3) PROPOSED USE: Domestic of Industrial   Municipal   Irrigation   Test Well   Other	Formation: Describe by color, character, size of materic show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each c	
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM TO
New well Method: Dug Bored	Gravel and boulders	0 20
Deepened ☐ Cable ☐ Driven ☐ .  Reconditioned ☐ Rotary 🖫 Jetted ☐	Gravel and boulders	20 60
(5) DIMENSIONS: Diameter of well inches.  Drilled 60 ft. Depth of completed well 60 ft.		
(6) CONSTRUCTION DETAILS:	·	
Casing installed: 6" Diam. from 72 ft. to 60 ft.		<del> </del>
Threaded Diam. from ft. to ft.		
Welded X		<u> </u>
Designations:		<del>                                     </del>
Perforations: Yes   No   No   No   No   No   No   No   N		
SIZE of perforations in. by in.		
perforations from ft. to ft.		
perforations from		
perforations from ft. to ft.		
Screens: Yes No K		
Manufacturer's Name		
Type	Static Water level 14 ft.	
Diam. Slot size from ft. to ft.	Approx 50 gpm at 60 ft.	
		<b> </b>
Gravel packed: Yes No No Size of gravel:		
Gravel placed from		
Surface seal: Yes of No To what depth? 20 ft.  Material used in seal Beinte Nite		
Did any strata contain unusable water? Yes No		
Type of water? Depth of strata		
Method of sealing strata off		<del>                                     </del>
(7) PUMP: Manufacturer's Name	TUE GENARIO	
Туре: НР		1.
(O) WATER LEVELS. Land-surface elevation	8.270	
above mean sea level		
Artesian pressure		
Artesian water is controlled by(Cap, valve, etc.)	~	
(Cap, valve, etc.)		
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 6/18/85, 19 Completed 6.	/19/85 19
Was a pump test made? Yes \( \simega \) No \( \simega \) If yes, by whom?		
Yield: 50 gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:	
" by "Airlitt " "	This well was drilled under my jurisdiction true to the best of my knowledge and belief.	and this report is
	little to the best of my knowledge and bossess	
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	NAME RIEBE WELL DRILLING	
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation)	Type or print)
	Address 1503 E. Nob Hill Blvs	d.
	Address	
	Jalin H & P	<i>J</i> .
Date of testft. drawdown afterhrs.	[Signed] (Well Driller)	~ C
Artesian flowg.p.m. Date	0/22	/85, 19
Temperature of water Was a chemical analysis made? Yes No	License No. 0422 Date 6/25	

License No...

Temperature of water...... Was a chemical analysis made? Yes 

No

#### WATER WELL REPORT STATE OF WASHINGTON

T

M systemic Application No.

	STATE OF	WASHINGTON	Permit No.		*************
(1)	OWNER: Name Charles P Hall	Address 161080	19th Storakin	na Wa	9890
	LOCATION OF WELL: County Jakima				a
	ing and distance from section or subdivision corner	61.1	56 79-	and the second	VO.
-	DDODOCED LICE.	(10) WELL LOG:	74-		4
(0)	Irrigation   Test Well   Other	Formation: Describe by cold	or character size of mater	ial and str	uotura en
(1)		show thickness of aquifers stratum penetrated, with a	and the kind and nature of	the mater	and in our
(4)	TYPE OF WORK: Owner's number of well		ERIAL	FROM	TO
•	New well Method: Dug  Bored  Deepened  Cable Driven	GRAVEL AN	D BOIDERS	0	52
	Reconditioned   Rotary   Jetted				
(5)	DIMENSIONS: Diameter of well inches.	CEMENTED GA	PAVEL + CIAY	52	43
` '	Drilled 8 2 ft. Depth of completed well 8 2 ft.	CIDALITI ALLE	2 17 - 1 2 - 12 1	1/2	-
(6)	CONSTRUCTION DETAILS:	GRAVEL AND	DOIDERS	63	74
(0)	4	CEMENTED GR	AVEL + CLAY	74	84
	Casing installed: 6 "Diam. from 0 ft. to 84 ft.  Threaded 1 Diam. from ft. to ft.				
	Welded The from ft. to ft.	GRAVEL -	+ Water	84	88
	Perforations: Yes No 🗹			<del> </del>	
	Type of perforator used			+	ļ ·
	SIZE of perforations in. by in.			+	-
	perforations from			+	<u> </u>
	perforations from ft. to ft				
	Company				
	Manufacturer's Name	3	1 1 1		
	Type Model No	Jossably sh	ruld set pum	Jes	
:'	Diam. Slot size from ft. to ft.	near 4011	- 1200	<del>  </del>	
	Diam. Slot size from ft. to ft.	- race	Mes		
	Gravel packed: Yes No No Size of gravel:			BATE	~~
	Gravel placed from ft. to ft.			BUV	Ti
	Surface seal: Yes No Do What depth? 20 ft.	l	NEWERN	-	
	Material used in seal Bentoute		) LE CALETY	E 1992	$\frac{1}{1}$
	Did any strata contain unusable water? Yes No Type of water? Depth of strata		DEPARTMENT	1 1 1 1	
	Method of sealing strata off		DEPARTMENT OF JUIN STEEL	1000	
(7)	PUMP: Manufacturer's Name			4:54	:
•	Туре: Н.Р		DEPARTMENT	77	
(8)	WATER LEVELS: Land-surface elevation		CENTRAL RES		
` '	above mean sea level ft. leveltt. below top of well Date		•		
	an pressure				
	Artesian water is controlled by(Cap, valve, etc.)				
(0)					
	lowered below static level	Work started 4/15	, 19.82 Completed 4	120	, 19 32
was a Yield:	pump test made? Yes No If yes, by whom?gal./min. with ft. drawdown after hrs.	WELL DRILLER'S S	TATEMENT:		
7" G	P.H at 86 lt blown with air "		under my jurisdiction a	and this r	enort is
جي"-	Dir at 31 ft 11 " 11 11 "	true to the best of my k	nowledge and belief.	mid time i	
Recov	ery data (time taken as zero when pump turned off) (water level		> 12.23 11 11 A F	•	*
Tim		NAME EASIWEEL	DRIIING I	NC. Type or pri	int)
		1202 5	VER RD	.ypc or pro	,
••••		Address 1	IVER RD		
 Da	te of test	Chinton ( Linton	DA T	. 0	
Bailer	testgal./min. withft. drawdown afterhrs.	[Signed]	(Well Driller)		••••••
Artesia	an flowg.p.m. Date	License No. 03/2	_, 4/	2.2	10 87
empe	erature of water	FIGEURE 140.6	Date		, 13.19.66
		.œv	00 - 11	.00	

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#### WATER WELL REPORT

STATE OF WASHINGTON

			,
Permit	No.	••••	
22PP-00			

(1) OWNER: Name Albert Allessio	Address 1417 5.18th St. VAKIMA	
(2) LOCATION OF WELL: County JAKIMA		
ag and distance from section or subdivision corner		
(3) PROPOSED USE: Domestic Municipal   Municipal	(10) WELL LOG:	
Irrigation □ Test Well □ Other □	Formation: Describe by color, character, size of material and structure show thickness of aquifers and the kind and nature of the material in stratum penetrated, with at least one entry for each change of form	e, and each ation.
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL FROM T	O
New well  Method: Dug  Bored  Deepened  Cable  Driven	top soil 02	
Reconditioned Rotary Jetted	levelders 21	7
(5) DIMENSIONS: Diameter of well	agoing out	7_
Drilled 50 ft. Depth of completed well 50 ft.	27 2	8
(c) CONSEDUCTION DETINES.	the sand 38 H	11
(6) CONSTRUCTION DETAILS:	acidean 414	ユー
Casing installed: 10 "Diam. from	- Sand 42 4	1/2
Threaded	garel 46 5	0
Perforations: Yes No M	l ————————————————————————————————————	
SIZE of perforations in. by in.		
perforations from ft. to ft.		
perforations from ft. to ft		
Screens: Yes   No D		
Manufacturer's Name		
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?		
Material used in seal	The second of the second	
Did any strata contain unusable water? Yes 🗆 No 🖫	HIM 1 9 1077	
Type of water? Depth of strata	JUN 13 1377	
	DEPARTMENT OF EUDIDGY	
(7) PUMP: Manufacturer's Name	CENTRAL RESIDEAL OFFICE	<u> </u>
Type: H.P		
(8) WATER LEVELS: Land-surface elevation above mean sea level #t.		
Static level		
Artesian water is controlled by		
(Cap, valve, etc.)		
(9) WELL TESTS: Drawdown is amount water level is lowered below static level		
Was a pump test made? Yes No Fif yes, by whom?	Work started 3.7. Completed 4-2, 19.	
Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:	
n . D n n	This well was drilled under my jurisdiction and this report	rt is
<u> </u>	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)	WARE 'A' Back 1/1 11 Dala	
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)	
	Address P. O. Box 48 VAKIMA, WA	980
	Audress	
Date of test	[Signed] Dolo Campa	
Bailer test	(Well Driller)	•••••
Artesian flowg.p.m. Dateg.p.m. Date	License No. 0702 Date 4-3 19.	7.7
Temperature of water Was a chemical analysis made? Yes 🗌 No.🗟	. 1	. 1

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

Application	No.	

SIAIL OF	WASHINGTON Permit No.	• • • • • • • • • • • • • • • • • • • •	••••••••••
(1) OWNER: Name TED PRILL	Address 1422 SO. 18th ST. YAKIMA, WA	. 98901	
LOCATION OF WELL: COUNTY YAKIMA LOT 8 BLK		L3 %, R19	
ing and distance from section or subdivision corner	7 Sec. 7 T	314455	5/0
In the second second	(10) THEFT TOC.	.0	<u> </u>
(3) PROPOSED USE: Domestic T Industrial Municipal I	(10) WELL LOG:	K_	
Irrigation   Test Well   Other	Formation: Describe by color, character, size of materia show thickness of aquifers and the kind and nature of the state of the kind and nature of the kind and	il and struct the material	ture, an l in eac
(4) TYPE OF WORK: Owner's number of well (if more than one)2	stratum penetratea, with at least one entry for each c	nange of jo	rmatio
New well 🔟 Method: Dug 🗌 Bored 🗍	TOP SOIL (GASY)	FROM	TO
Deepened Cable Driven	LGE BOULDERS, SAND, GRAVEL & GAS	4	30
Reconditioned   Rotary  Jetted	SAND.W.B. & GAS	36	3
(5) DIMENSIONS: Diameter of well 8X6 inches.	W W VERY STRONG WITH GAS	38	4
Drilled 132 ft. Depth of completed well 122 ft.	CEMENT GRAVEL, LGE BLDRS, SAND & GRA		5.
(6) CONSTRUCTION DETAILS:	FROM 50-55° GASOLINE IN MUD		
•	CEMENT GRAVEL, BLDRS & SAND	55	70
Casing installed: 8 "Diam. from 0 ft. to 20 ft.  Threaded Diam. from 11 ft. to 102 ft.	SAND & GRAVEL W.B. GAS ODOR	76	78
Welded Threaded Diam. from	CEMENT GRAVEL & BLDRS	78	82
	GRAVEL & BOULDERSCEMENTED	82	11'
Perforations: Yes No X	BR. CLAY & BOULDERS	117	123
Type of perforator used	SAND, GRAVEL & BOULDERS W.B.	123	132
SIZE of perforations			
perforations from ft. to ft.	100 100 100 100 100 100 100 100 100 100	:	
merforations from ft. to ft.	WELL WAS DRILLED 10" TO 20" - 8" TO		
Screens: Yes No K	82°, PIPE WAS SET (6") & CEMENT PR		
Manufacturer's Name	GROUTED FROM THE BOTTOM TO THE TOP		
Type Model No	HOLE WAS DRILLED & DRIVEN KEEPING FULL OF MUD TO 102 MUD DRILLED TO	7 HULE	
Diam. Slot size from from ft. to ft.	132° & WASHED BACK TO 123° - WELL	OD OT	
Diam Slot size from ft. to ft.	APROX. 50 G.P.M. @ 120	. 11000	
Gravel packed: Yes No R Size of gravel:	ENTIRE WELL DRILLED WITH BENTONITE	E_	
Gravel placed from ft. to ft.	GOOD CLEAN WATER.		
Surface seal: Yes No _ To what depth? 100 ft.			
Material used in seal CEMENT GROUTED	4	. +	
Did any strata contain unusable water? Yes No Type of water? GAS & OLL Depth of strata			
Type of water? GROUTED Depth of strata Off GROUTED			
method of sealing strata on massage and			·
7) PUMP: Manufacturer's Name GRUNDFOS			
Type: SUBMERGIBLE HP 1/2			
8) WATER LEVELS: Land-surface elevation 1020			
above mean sea level 18 ft. tatic level ft. below top of well Date ft.		-:	
rtesian pressure			
Artesian water is controlled by(Cap, valve, etc.)			
9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 12/3/81	4/81	
7as a pump test made? Yes 🗌 No 📮 If yes, by whom?			19
ield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:		
25.100,251, 70 0.02.02.00	This well was drilled under my jurisdiction an	nd this rep	ort is
"	true to the best of my knowledge and belief.	=	
ecovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	RIEBE WELL DRILLING		
Time Water Level   Time Water Level   Time Water Level	NAME (Person, firm, or corporation) (Ty	pe or print)	
	1503 E. NOB HILL BLVD. YAKIMA	, WASH.	
	Address BRITTON & TATE)		
a of test	10 also	ş	8
diler testgal/min, withft, drawdown afterhrs.	[Signed] (Well Driller)		••••••
rtesian flowg.p.m. Date			
emperature of water Was a chemical analysis made? Yes 🔲 No 🗆	License No. 421 Date 12/14/	81 , 19	9
		111/80	

## APPENDIX H



Photograph 1. 1618 Rudkin Road Site. Looking south towards Yakima Transport Service and Better All Auto Sales and Transport Facilities.



Photograph 2: Looking West- Industrial metal buildings.



Photograph 3: Looking South- A office building.



Photograph 4: Condition of tank from excavation #1.



Photograph 5: Condition of tank from excavation #2.



Photograph 6: Looking North- Location of



Photograph 7: Looking north-location of excavation #2.



Photograph 8: Looking North- Shows proximity of the bottom sample RUC-0294-105 to the building foundation.



Photograph 9: Looking North- Shows proximity of the bottom sample RUC-0294-205 to the building foundation