ENGINEERING REPORT

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PETROLEUM CONTAMINATED SOIL REMOVAL

and

SITE CLOSURE

for

PEDERSON FRYER FARMS 1404 Birchfield Road Yakima, Washington

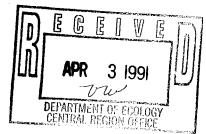


March 1991

Job No. 90079

Prepared by

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



ENGINEERING REPORT

on

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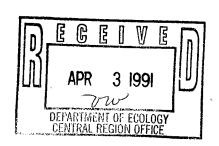
PEDERSON FRYER FARMS

1404 Birchfield Road Yakima, Washington

INTRODUCTION

Pederson Fryer Farms recently contracted to have an underground, steel, gasoline storage tank removed from their premises at 1404 Birchfield Road, Yakima, Washington. Petroleum contaminated soil (PCS) was found. PLSA Engineering and Surveying was retained to investigate for the presence of contamination and to direct any cleanup effort required.

This report summarizes the results of the cleanup and includes the results of laboratory testing of representative soil and water samples for presence of benzene, toluene, ethylbenzene, and xylene (BTEX) and a sample for characterization of the contaminant by EPA 8015. A geotechnician from this office experienced with local soil conditions performed field testing for volatile organic compounds using a Photovac TIP 1 analyzer, and monitored for explosion hazard using a Gastech analyzer.



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

Mr. John Chambers Pederson Fryer Farms 1404 Birchfield Road Yakima, Washington 98901 phone (509) 248 7633

CLEANUP STATUS

A former farmstead has been converted for use for product storage, truck parking, and general use for the purpose of fresh fryer distribution. The tank basin was located in a lawn and shrubbery area between the residence and the distribution and office building. Figure 1 depicts the extent of the cleanup excavation and shows salient horizontal relationship between various surface features and final test locations.

All PCS has been removed to below Washington State Department of Ecology (WDOE) February 28, 1991 cleanup; guidelines from all sides and bottom of the contaminant excavation. BTEX and TPH have been removed from ground water down to below analytical detection limits which is below WDOE February 28, 1991 cleanup guidelines as well.

PCS appeared to extend underneath the refrigerated storage building on the south side of the excavation. Laboratory samples from this location found contaminant concentrations below those listed in the cleanup guidelines.

Laboratory analytical reports on final cleanup samples may be found in Appendix II.

SUB-SURFACE CONDITIONS

A deep stratum of silt topsoil variable 6 to 8 feet thick overlies an alluvial stratum of gravel and sand. The water table is seasonally variable with the irrigation season. Groundwater was found at 12 feet below the surface in March 1991.

From general topography and water flowing into the excavation, it appears that the groundwater hydraulic gradient is to the south or southwest.

CONTAMINANT CHARACTERIZATION

Two samples were collected from the contaminated soil found at the south end of the gasoline tank basin where the spill had apparently occurred. Samples were refrigerated and shipped to a laboratory for analysis for BTEX and EPA 8015. Results of laboratory analysis are found in Appendix I. Gasoline was the only contaminant found.

CLEANUP METHOD

Excavation equipment consisting of a John Deere Model 790 track mounted backhoe, a John Deere Model 510 tractor mounted backhoe, and a fleet of 10 cubic yard dump trucks were used for removal of contaminated soil and clean overburden.

Petroleum contaminated water (PCW) was remediated within the excavation on-site by circulation through an oil separator and aeration of the water accumulated in the bottom of the excavation. The laboratory analytical report for samples 1-W, 2-W, and 3-W collected from the water in the bottom of the excavation show that this treatment strategy was effective in removing contaminants to below WDOE February 28, 1991 cleanup guidelines. See Appendix II.

Goal of the clean up process was to remove all contaminated soil to below Washington State Department of Ecology (WDOE) draft cleanup guidelines. This was achieved.

CONTAMINATED SOIL REMOVAL

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

DISPOSAL OF CONTAMINATED SOIL

A total of 3,434 cubic yards of PCS were delivered to the Rocky Top PCS remediation facility located west of Yakima, Washington.

SITE CLOSURE

The excavated tank basin has been backfilled with compact, clean, structural fill and the surface restored to a graveled parking area. The tank and any associated piping that may have been present was removed by others in late 1989. The disposition of these items is not known at this time. It is understood that the tank had been in place for more than thirty years and was on the premises when the site was purchased by Pederson Farms.

WELLS

A location map and well logs for documented wells located within one half mile of the cleanup site may be found in Appendix III.

APPENDIX I

Analytical Results

FINAL ANALYTICAL RESULTS

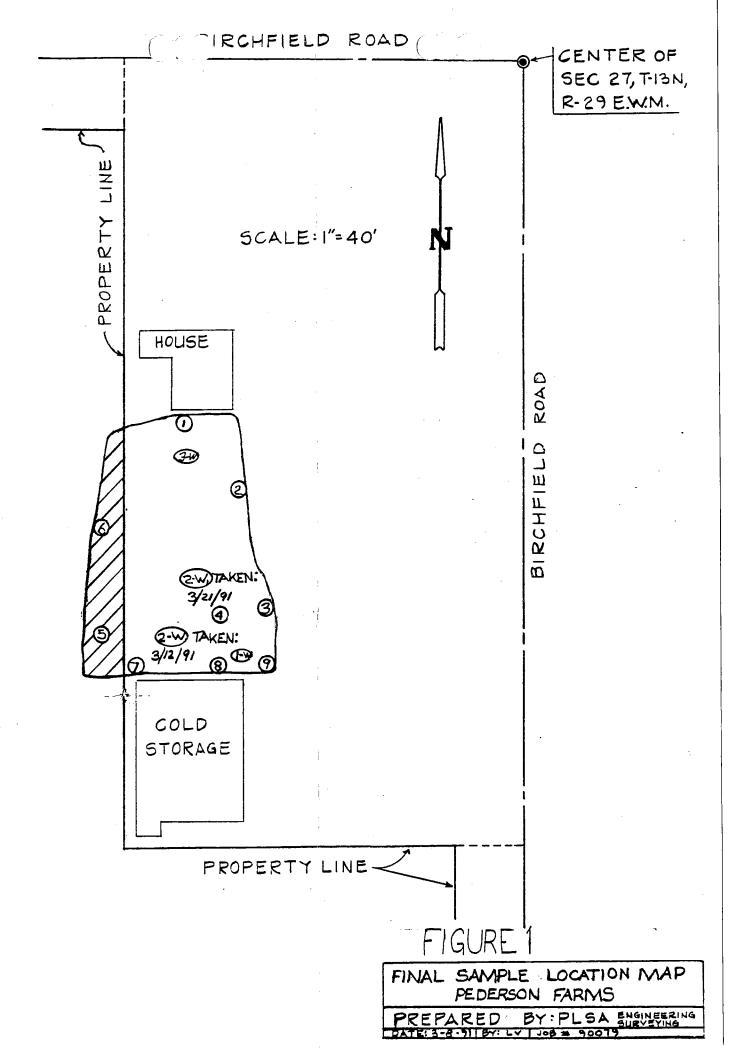
Sample	No.	Matrix	TPH ¹ (ppm)	BTEX ² (ppm)	Lead (ppm)
1		Soil	14.8	ND_3	4.3
2		Soil	18.8	ND	5.4
3		Soil	16.9	. ND	3.9
4		Soil	19.7	ND	1.6
5		Soil	20.7	ND	4.4
6		Soil	18.3	ND	5.2
7		Soil	33.0	ND	4.7
. 8		Soil	62.2	ND	4.6
9		Soil	32.2	ND	8.7
1-W	-	Water	<1.0	ND	NT ⁴
2-W		Water	<1.0	ND	<0.005
3-W		Water	<1.0	ND	<0.005

^{1 -} Total Petroleum Hydrocarbons, EPA Method 418.12 - Benzene, Toluene, Ethylbenzene, and Xylenes

KEY:

2- LOCATION OF EXCAVATION WITHIN NEIGHBORS PROPERTY

2 - LOCATION AND SAMPLE NUMBER OF WATER/SOIL SAMPLE TAKEN



^{3 -} Not Detectable

^{4 -} Not Tested

SOUN 'NALYTICAL SER S, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4630 PACIFIC HIGHWAY EAST, SUTTE B-14, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: PLSA Engineering

Date: May 17, 1990

Report On: Analysis of Soil

Lab No.: 11329

IDENTIFICATION:

Samples Received on 05-15-90

Job No. 90079

ANALYSIS:

Lab Sample No.	1	2
Client Identification	Sample #1	Sample #2
Matrix/Units	Soil ppm	Soil ppm
Benzene Toluene Ethyl Benzene Xylenes	0.15 75.3 38.8 347	< 0.05 23.8 20.2 159
BTEX by EPA SW-846 Method 8020		
Total Petroleum Fuel Hydrocarbons, by EPA SW-846 Modified Method 8015	7,893	1,967
TPH as	Gasoline	Gasoline

SOUND ANALYTICAL SERVICES

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APPENDIX II

Final Analytical Results

SOUND ANALYTICAL SERVICES, INC.

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 15, 1991

Report On: Analysis of Soil

Lab No.: 16476-1

IDENTIFICATION:

Samples Received on 03-13-91

Project: 90079

ANALYSIS:

Lab Sample No.	RUSH 1	RUSH 2	RUSH 3
Client Identification	#1	#2	#3
Matrix/Units	Soil mg/kg	Soil mg/kg	Soil mg/kg
Benzene Toluene Ethyl Benzene Xylenes BTEX by EPA SW-846 Method 8020	< 0.05 < 0.05 < 0.05 < 0.05		< 0.05 < 0.05
Total Petroleum Hydrocarbons by EPA Method 418.1	14.8	18.8	16.9
Total Petroleum Fuel Hydrocarbons by EPA SW-846 Modified Method 8015	< 10	< 10	< 10
Total Lead	4.3	5.4	3.9

Note - BTEX, TPH 418.1, and TPH 8015 results reported on an as received basis.

Continued . . .

SOUND AMALYTICAL SERVICES, INC.

PLSA Engineering Project: 90079 Page 2 Lab No. 16476-1 March 15, 1991

RUSH 4	RUSH 5	RUSH 6
#4	#5	#6
Soil mg/kg	Soil mg/kg	Soil mg/kg
< 0.05 < 0.05 < 0.05 < 0.05	< 0.05 < 0.05	< 0.05
19.7	20.7	18.3
< 10	< 10	< 10
1.6	4.4	5.2
	< 10	< 10 < 10

Note - BTEX, TPH 418.1, and TPH 8015 results reported on an as received basis.

SOUND ANALYTICAL SERVICES

C. MARRY ZURAW

SOUND MALYTICAL SERVICES, INC.

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 15, 1991

Report On: Analysis of Soil

Lab No.: 16476-2

IDENTIFICATION:

Samples Received on 03-13-91

Project: 90079

ANALYSIS:

_				
Lab Sample No.	RUSH 7	RUSH 8	RUSH 9	
Client Identification	#7	#8	#9	
Matrix/Units	Soil mg/kg	Soil mg/kg	Soil mg/kg	
Benzene Toluene Ethyl Benzene Xylenes BTEX by EPA SW-846 Method 8020	< 0.05 < 0.05 < 0.05 < 0.05	< 0.05 < 0.05	< 0.05	-
Total Petroleum Hydrocarbons by EPA Method 418.1	33.0	62.2	32.2	
Total Petroleum Fuel Hydrocarbons by EPA SW-846 Modified Method 8015	< 10	< 10	< 10	
Total Lead	4.7	4.9	8.7	

Note - BTEX, TPH 418.1, and TPH 8015 results reported on an as received basis.

SOUND ANALYTICAL SERVICES

LARRY ZURAW

SOUNT ANALYTICAL SERVICES, INC.

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 15, 1991

Report On: Analysis of Water

Lab No.: 16476-3

IDENTIFICATION:

Samples Received on 03-13-91

Project: 90079

ANALYSIS:

Lab Sample No.	RUSH 10	RUSH 11
Client Identification	1-W	2-W
Matrix/Units	Water mg/l	Water mg/l
Benzene Toluene Ethyl Benzene Xylenes	< 0.001 < 0.001 < 0.001 < 0.001	< 0.001 < 0.001 < 0.001 < 0.001
BTEX by EPA SW-846 Method 8020		
Total Petroleum Hydrocarbons by EPA Method 418.1	< 1.0	< 1.0
Total Petroleum Fuel Hydrocarbons by EPA SW-846 Modified Method 8015	< 1.0	< 1.0

Note - BTEX, TPH 418.1, and TPH 8015 results reported on an as received basis.

Note - Samples were received unpreserved in one liter containers on 03-13-91, they were then preserved with H₂SO₄ at Sound Analytical Services.

SOUND ANALYTICAL SERVICES

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

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

Report To: PLSA Engineering

Date: March 21, 1991

Report On: Analysis of Water

Lab No.: 16582

IDENTIFICATION:

Samples Received on 03-19-91

Project: 90079

ANALYSIS:

Lab Sample No.	RUSH 1	RUSH 2	
Client Identification	2-W	3-W	
Matrix/Units	Water ppm	Water ppm	
Benzene Toluene Ethyl Benzene Xylenes BTEX by EPA SW-846 Method 8020	< 0.001 < 0.001 < 0.001 < 0.001	< 0.001 < 0.001 < 0.001 < 0.001	
Total Lead	< 0.005	< 0.005	
Total Petroleum Fuel Hydrocarbons by EPA SW-846 Modified Method 8015	NT	< 1.0	•
Total Petroleum Hydrocarbons by EPA Method 418.1	NT	< 1.0	

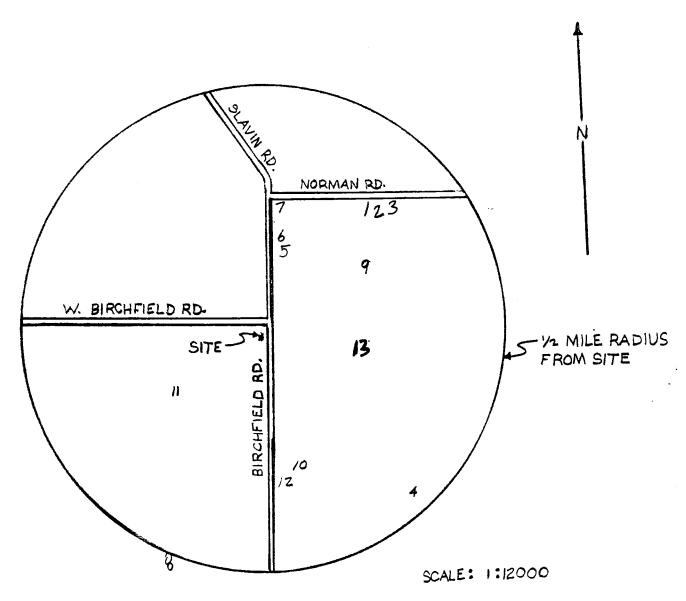
NT = Not Tested

SOUND ANALYTICAL SERVICES

C. LARRY ZURAW

APPENDIX III

Documented Well Logs



4-LOCATION AND NUMBER OF DOCUMENTED WELL

FIGURE 3
WELL LOCATION MAP
PEDERSON FARMS
YAKIMA, WA.

File Original and First Copy with Department of Ecology

LATER WELL REPORT

3405 Start Card No. 007664

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

STATE OF WASHINGTON

	c/. no	water Hight Permit No.	
′1)	OWNER: Name JR Skittington	Address	
	LOCATION OF WELL COUNTY Yakima	NE 15W 11 Sec 27 T. 13 N. R.	10
(2)	LOCATION OF WELL: County YWICIMA		15[_w.m.
(2a)	STREET ADDDRESS OF WELL (or nearest address)		
(3)	PROPOSED USE: Domestic Industrial Municipal Treat World	(10) WELL LOG or ABANDONMENT PROCEDURE DESC	CRIPTION
	DeWater Test Well Cother	Formation: Describe by color, character, size of material and structure	
(4)	TYPE OF WORK: Owner's number of well	thickness of aquifers and the kind and nature of the material in each stratum with at least one entry for each change of information.	n penetrated,
	Abandanad Newwell Whatbad Dug - / Based	MATERIAL FROM	то
	Deepened 🗌 Cable 🗐 Driven 🗐	10p Soil	_8
	Reconditioned 🗆 Rotary 🖫 Jetted 🖂	/ lau	77
(5)	DIMENSIONS: Diameter of well	124 8	ــــــــــــــــــــــــــــــــــــــ
	Drilled V feet. Depth of completed well ft.	WB Sandstone 37	5%
(6)	CONSTRUCTION DETAILS:		
	Casing installed: 6 Diam. from 71 ft. to 39 ft.	Sand 58	42
	Welded 'ft. toft. toft.		<u>: </u>
	Threaded*/Diam. fromft. toft.	62	
	Perforations: Yes No. No.		······································
	SIZE of perforations		
	pertorations fromtt. tott.		
	perforations fromft. toft.	15 (N) .C	
	perforations/fromft. toft.		
	Screens: Yes No V		-
	Manufacturer's Name		
	Type	1	
	DiamSlot sizefromft. toft.	OE THEN	
	Gravel packed: Yes No Size of gravel	The Control of the Co	.
	Gravel placed fromft. toft.		
	Surface seal: Yes No To what depth? ft.		:
	Material used in seal		
	Did any strata contain unusable water? Yes No Depth of strata		
	Method of sealing strata off		!
7)	PUMP: Manufacturer's Name		<u> </u>
,	Type:H.P		!
(8)	WATER LEVELC. Land-surface elevation		
•	Static level 22 ft. below top of well Dateft.		
	Artesian pressureIbs. per square inch Date		İ
	Artesian water is controlled by(Cap, valve, etc.))	11 21 30 1/- 21	20
(9)	WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 11-21 19 Completed 11-21	
	Was a pump test made? Yes No If yes, by whom?	WELL CONSTRUCTOR CERTIFICATION:	
	Yield:hrshrshrshrshrshrshrshrshrshrshrshrshrshrshrs	I constructed and/or accept responsibility for construction of	
	0 0 0	and its compliance with all Washington well construction s Materials used and the information reported above are true to	
	Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	knowledge and belief.	
	Time Water Level Time Water Level Time Water Level	NAME KICK POULIN DVILLING	
			R PAINT)
		Address	<u>~</u>
	Date of test	Mill Val. Da.	42
1	Bailer test gal./min. with ft. drawdown after hrs.	(Signed) License No. (WELL DRILLER)	<u>, 20</u>
	Airtest gal./min. with stem set at ft. for hrs.	Contractor's Registration No. 100/cnmwi3404 Date 11-23	20
	Artesian flow g.p.m. Date	No. Date L-	_, 1944
	Temperature of water Was a chemical analysis made? Yes No.		

WATER WELL REPORT STATE OF WASHINGTON

Application No

						/	/
cation	No.						•

Permit No. ...

(1) OWNER: Name AJ WONDERS	Address 1014 S. 49 AVE YAKINA, WA 189
(2) LOCATION OF WELL: County VALIAAA	- SE4 NE, Sec 27 T 13 N, R 19 W.M.
ing and distance from section or subdivision corner	
(3) PROPOSED USE: Domestic \(\mathbb{D} \) Industrial \(\mathbb{D} \) Municipal \(\mathbb{D} \)	(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 XO Method: Dug [Bored [Deepened [Cable [Driven [Cable] Driven [Cable] New New Well New	TOPSOIL 0 4
Reconditioned Rotary L Jetted	checke 4 7
	SAMOSTONE Brn 7 22
(5) DIMENSIONS: Diameter of well inches.	SAMOSTONE ORN LULITE 22 79
Drilled8.7	SANdSTONE LUMTER 79 85
(6) CONSTRUCTION DETAILS:	c/ay 54 4/e 85 87
Casing installed: from ft. to ft.	
Threaded ["Diam. from	
Welded Diam. from + 1 ft. to ft.	
Parforations	
Perforations: Yes No [] SKill	
SIZE of perforations // in. by 6 in.	
145 perforations from	
perforations from ft. to ft.	
perforations from ft. to ft.	
Screens: Yes No 🗖	
Manufacturer's Name	
Type Model No	
Diam. Slot size from ft. to ft. Diam. Slot size from ft. to ft.	
Diam. Slot size	
Gravel packed: Yes No M Size of gravel:	
Gravel placed from ft. to ft.	
Surface seal: Yes Y No To what depth?45 ft.	
Material used in seal CEMENT BENJONITE	
Did any strata contain unusable water? Yes No 🔼	
Type of water? Depth of strata	!
Method of sealing strata off	
(7) PUMP: Manufacturer's Name	MI GIERNAGO
Type:	
above mean sea levelft.	1
Static level 46 ft. below top of well Date 4/4/87	
Artesian water is controlled by	DEPARTMENT CO.
(Cap, valve, etc.)	CENTRAL MEGION CENTRAL
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	11/2
Was a pump test made? Yes No 1 If yes, by whom?	Work started
Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:
0 0 0	This well was drilled under my jurisdiction and this report is
0 0 9	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 RIEBE WEILDNILLING LAIC
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)
	1
	Address p.o. BOX 10866 - 98987-1866
	A.A. Pia
Date of test	[Signed] Jalu H. Riebe Cup
Bailer testgal/min. withft, drawdown afterhrs.	
Artesian flow	License No. 0427 Date 4/7/87, 19
2 CAPM NITHER ?	1

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

WATER WELL REPORT

		5
Application	No.	
		/

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					- 1				٠.
ATE	OF	WASE	INGTO	N			Permit	Nο	

(1) OWNER: Name W. C. MALLORY	Address 3902 POLLY APT B-8 YAKIMA 95
(2) LOCATION OF WELL: County YAKIMA	_ SW4 NE 14 Sec 27 T 13N, R 19 W.M.
ng and distance from section or subdivision corner	Thinking W. M.
(3) PROPOSED USE: Domestic 🛛 Industrial 🗀 Municipal 🗇	(10) WELL LOG:
Irrigation Test Well Other	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each
(4) TYPE OF WORK: Owner's number of well	stratum penetrated, with at least one entry for each change of formation.
New well M Method: Dug Bored	MATERIAL FROM TO
Deepened 🗇 Cable 🗇 Driven 🗇	TOP SOIL 5 2
Reconditioned ☐ Rotary ☑ Jetted ☐	CLAY (HARD PAK) (MEDB) 2 28
(5) DIMENSIONS: Diameter of wellinches.	COMBLOMERATE (MED B) 28 36
Drilled ft. Depth of completed weil 9.6 ft.	CLAY (HARD PAK) (YELLOW BROWN) 36 40
	(210#1 3) 70 30
(6) CONSTRUCTION DETAILS:	$\frac{1}{1}$
Casing installed: 5 " Diam. from O ft. to 26/19/2 ft.	1 121641 13) 37. 68
Threaded ft. to ft.	11 (MED 1) 68: 70
Welded 💆 It. to ft.	SANDSTONE (MEDIS) 85 92
Perforations: Yes 🗆 No 💆	" (LIWIT B) 92 96
Type of perforator used	
SIZE of perforations in. by in.	
perforations from	
perforations from	
Canada	
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 No Size of gravel:	
Gravel placed from ft. to ft.	DEARING
Comfort and	I RECEIVED
Surface seal: Yes No D To what depth?	
Did any strata contain unusable water? Yes No	JUN - 9.1976
Type of water? Depth of strata	JUN - 9 19/0
Method of sealing strata off	DEPARTMENT OF ECOLOGY
(7) PUMP: Manufacturer's Name	CENTRAL REGIONAL OFFICE
Type: H.P	CENTIAL REGIONAL OFFICE
ON WARRED TEXTERS. Land-surface elevation	
(8) WATER LEVELS: Land-surface elevation above mean sea level. 1050 ft. Static level 60 ft. below top of well Date 5-18-76	
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 5-18 1974 Completed 5-18 1974
Vas a pump_test made? Yes 🗌 No 🕱 If yes, by whom?	
field: 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
	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 JENSEN'S WELL PRILLING PRIVING
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)
	Address 160 3 So. 1974 AUE
ate of test	Chieff Leans
rte or testgal./min. withft. drawdown afterhrs.	[Signed] (Weil Driller)
rtesian flowg.p.m. Date	
'emperature of water	License No
CV 10E	ı

"ATER WELL REPORT (

TATE OF WASHINGTON

Appi

Perr

	A	4
lication No		
nit No	<i>J</i>	
-		

1) OWNER: Name LESTER KON	Address KT /	Buy 71	MERIT	ر. مورد	
2) LOCATION OF WELL: County JAKI MA					
ring and distance from section or supdivision vorser	(10) WELL LO	G:			
2) PROPOSED USE: Domestic X Inquistria, [7] Municipal [7] creation [7] Total 20 . [7] Other [7]	Formation: Describe in show thickness of aqu	bu color, character, size of uifers and the kind and n	iature of the	e materio	ıl ın each
4) TYPE OF WORK: See insertion of	stratum penetrated, t	with at least one entry to	ــــــ خ فعه جــــــــــــــــــــــــــــــــــــ		ormation.
New wett S Method: Dug C Gorea C	Fip Soil	(MEC B.)	ام بادران احداد احداد	TROM	12
Deepened C Lible C Triven C	CEMBLEMERAFE		<u>E457</u> MED	; 2	26
Peronditioned □ Rotary ▼ Sted □	CLAUSTONE	(MED A)	5157	26	29
5) DIMENSIONS: Diarreter of Weil Subsciences. Dailled II. Depth or completed weil Subsciences.		(Linger B)	*1	29	54
6) CONSTRUCTION DETAILS:					
,					
Threaded : Diam. from the to the control of the Con	0.5	VEINED			
	111,	the first in the			
Perforations: wes 📹 🔞 💢					
Type of heriorator used.		<u> 18-2-2-1978 </u>			
FICE of remorations in an in an income with the formation and the section of the					-····
erforations from 2000 200	DEPARITY	1201 N. SUDLOGY			
perforations from 2t. to 2t	CETT'T'L	The Control			
Saraans					
Screens: Yes _ No X				<u>'</u>	
Type		(3) 	M2 (2)		-
Diam. Slot size , from it to ft.) ,	
Diam Patrice Irom ft to in It.	1				
Gravel packed: yesto X .dize of gravel.	E				
Gravet placed from ft. to	M.	FRAS READ			
The second secon				- (زنع)	
Surface seal: To wast depth? 19 ft.					
Material used in seal BENTONITE					
Did any strata contain unusable water? Yes No Type of water?			A A .	 -	
Method of sealing strata off	WEL	<u> </u>			
T) DYIAD					
7) PUMP: Manufacturer's Name					
Type:					
8) WATER LEVELS: Land-surface elevation APP. 1020 tt.		- · · · · · · · · · · · · · · · · · · ·		-	
tatic level 21 ft. below top of well Date 2-17-78					
rtesian pressurelbs. per square inch Date					
Artesian water is controlled by(Cap, valve, etc.)			;	i	
9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 2-1	7 19.78 Comple	tea 2 -	.17	1978
√as a pump test made? Yes ☐ No 🕱 If yes, by whom?	WELL DOILE				
ield: 30 gal./min. with ft. drawdown after hrs.		R'S STATEMENT:			
"WITH AIR" "	This well was d	rilled under my jurise my knowledge and b	diction and	l this r	eport is
	li de to the best of	my knowledge and t	Jener.		
ecovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	NAME JENSEN	S WELL OR	ILLINE	10	لمدلاه
Time Water Level Time Water Level Time Water Level		rson, firm, or corporation	· · · · · · · · · · · · · · · · · · ·	e or pri	· · · · · · · · · · · · · · · · · · ·
	1/202	50. /0 TH	A . 12 .	-	
	Address / 603		706		?
Date of test		· R(I		, 1	
aller testgal/min, withft, drawdown afterhrs.	[Signed]	(Well Dril	ler)		نديد
		_		,	- (
emperature of water. 5 Was a chemical analysis made? Yes No 🕱	License No	2 / 7 Date	ユ ーユ	. /	195
·	I			•	

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WATER WELL REPORT

Third Copy — Driller's Copy	STATE OF W.	ASHINGTON	Per	mit No	
(1) OWNER: Name Scheet L.	LET	Address 12C3	Buchtuld Ke	15501	
(: OCATION OF WELL: County /A					M.W. P.L
Bearing and distance from section or subdivision corner					
(3) PROPOSED USE: Domestic & Industrial	Municipal	(10) WELL LO	G:		
frrigation Test Well		show thickness of agr	by color, character, size of the color, character, size of the kind and the kind and the color of the color o	rature of the mate	rial in each
(4) TYPE OF WORK: Owner's number of well (if more than one)			MATERIAL	FROM	
New well	Bored 🗌	Ky Soil	Ken.	40	9
= -	ary Jetted	Clay Clec	IIL BRN	4 9	15_
(5) DIMENSIONS: Diameter of well	12 4-2	SANDS TONE	BRN	<u> </u>	23
Drilled			ence (conces ben		132
		(39'10-12 (M 39	T.S.
(6) CONSTRUCTION DETAILS:			ence a Ben	M 40	45
Casing installed: Diam. from		SANDY CIA		14 45	58
Threaded		SANDSTONE		5 58	4.5
			·		
Perforations: Yes No X			 		
Type of perforator usedin. by				-	-
perforations from ft.					
perforations from ft					
perforations from ft	. to It.	6 PM - 34	 		
Screens: Yes No N			2'6"	·	
Manufacturer's Name		TOS 2	70		
Type					
Diam. Slot size from from					
Gravel packed: Yes No 🕱 Size of gra	vel:				
Gravel placed from ft. to	ft.				
Surface seal: Yes No To what dept	h? ft.				
Material used in seal Benton Ltc.					
Did any strata contain unusable water? Type of water? Depth of st	1			 -	
Method of sealing strata off	t to the second				
(7) PUMP: Manufacturer's Name		A E G			
Type:		ال ا			
(8) WATER LEVELS: Land-surface elevation		7:11	3 987		
Static level 22 / // #t. below top of well I	Date 10-8-37	301 7	71001		
Artesian pressure	Date	DEPARTMEN	T OF TAXABLE		
Artesian water is controlled by(Cap.	valve, etc.)	CENTRALA	120		
(9) WELL TESTS: Drawdown is amount we lowered below static le	ater level is		<i>(</i> 0)	/n (n / 0 - /	<u> </u>
Was a pump test made? Yes No Lifyes, by whom	1	Work started	1. S. 7 19 Comp	leted IUIX/ S.	19
Yield: gal./min. with ft. drawdown		WELL DRILLE	R'S STATEMENT	•	
11 11 11	· ,,		drilled under my juri		s report is
0 D D		true to the best o	f my knowledge and	Dellef.	
Recovery data (time taken as zero when pump turned measured from well top to water level)	i off) (water level	NAME RIERE	WIGH DRILL	NG TNL	
Time Water Level Time Water Level Tim	e Water Level		erson, firm, or corporatio		print)
		Address 10 Ba	6 108CC 194K	ima Wa	18909
		Address	1		·····
Date of test		[Signed]	by H. Pil		
Bailer testgal./min. withft. drawdown	afterhrs.	[Digited]	(Well Dr	iller)	•••••
Artesian flowg.p.m. Dateg.p.m.		License No	422 Date	10-9-	1987
Temperature of water Was a chemical analysis n	1976 1 18 1 140 KT				

WATER WELL REPORT STATE OF WASHINGTON

Application No.

Permit	No.	

6
R., į.;;W.M.

4€ 3

(1) OWNER: Name enneth Lester	Address 1,205 sire lield d. tring lie
() FOCAMION OF THEFT	- 311 14 1113 14 Sec 27 T. 1 N., R. 10 W.M.
suring 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
- I mind of many	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	Tonsoil J 7
Reconditioned [Rotary 12 Jetted [Sand : soil 7 10
(5) DIMENSIONS: Diameter of well 5 inches.	Crown clay 10 25
(5) DIMENSIONS: Diameter of well 5 inches. Drilled 55 Depth of completed well 55 ft.	Brown clay 1 gravel 122 22
Depth of completed well	Sand + grave1
(6) CONSTRUCTION DETAILS:	Sand, ravel, rown clay 42 55
Casing installed: 5 "Diam. from 11 ft. to 50 ft.	Sand ::mtor
Threaded ["Diam. from ft. to ft. to ft.	
Welded [Diam. from ft. to ft.	:
Perforations: Yes 🗆 No 🗵	
Type of perforator used	
SIZE of perforations in. by in.	
perforations fromft. toftftftft	
perforations from ft. to ft.	
Screens: Yes □ No ☑	
Screens: Yes No 🖸 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 ② Size of gravel:	! ;
Gravei placed from ft. to ft.	
Surface seal: Yes 17 No To what depth? 20 ft.	
Material used in seal	
Did any strata contain unusable water? Yes 🗆 No ⋤	
Type of water? Depth of strata	
Method of sealing strata off	
(7) PUMP: Manufacturer's Name	I I I I I I I I I I I I I I I I I I I
Type:	
(8) WATER LEVELS: Land-surface elevation	
above mean sea level	I JAN JAN
Artesian pressurelbs. per square inch Date	
Artesian water is controlled by(Cap. valve, etc.)	DEPARTMENT
(a) WRII TESTS. Drawdown is amount water level is	CENTRAL REGIS
lowered below static level	Work started
Was a pump test made? Yes \(\) No \(\overline{\Pi} \) If yes, by whom? Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:
Yield: gal./min. with ft. drawdown after hrs.	
0 0 0	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water level	
measured from well top to water level)	NAME Vernon L. Rank
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)
	Address 5503 Ahtanum R. Yakima, 17. 98903
Date of test	[Signed] Lern L. Kank
Bailer test 100 gal./min. with	(Well Driller)
Artesian flowg.p.m. Dateg.p.m. Dateg.p.m. Date	0854 1/5/37 License No Date
zemperatare or water	,

pplication	No.	4
ermit No.		

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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 OWNER: Name JACK Bloxom LOCATION OF WELL: County YAKIM A Bearing and distance from section or subdivision corner (3) PROPOSED USE: Domestic Industrial (10) WELL LOG: Municipal [] Irrigation [Test Well [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 \mathbf{G} Method: Dug Bored [Deepened Cable 🔲 Driven 🗆 Reconditioned [Rotary 2 Jetted 🛚 70 (5) DIMENSIONS: Diameter of well inches. Drilled 260 ft. Depth of completed well 260 ft. (6) CONSTRUCTION DETAILS:

Casing installed: 6 "Diam. from 0 ft. to 200 ft Threaded 1" Diam. from ft. to ft	
Welded Diam. 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.	
perforations from ft. to ft.	
Screens: Yes No No D	
Manufacturer's Name	
Type Model No	
Diam Slot size from ft. to ft.	
Diam. Slot size from from ft. to ft.	
Gravel packed: Yes No D Size of gravel:	
Gravel placed from	
Surface seal: Yes No To what depth?ft. Material used in seal. BENONITE	
Did any strata contain unusable water? Yes 🗍 No 🗍	
Type of water? Depth of strata	
Method of sealing strata off	Macale Thread
(7) PUMP: Manufacturer's Name	Transmission of the state of th
Type: H.P	
(8) WATER LEVELS: Land-surface elevation	
static level 75 gbox ft. below top of well Date 8-5-86	
Artesian pressure	DEPARTMENT OF ECOLOGY
Artesian water is controlled by (Cap, valve, etc.)	CENTRAL REGION OFFICE
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started
Was a pump test made? Yes \(\) No \(\overline{V} \) If yes, by whom?	
Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

	NAME BACK Drilling Co.
	(Person, firm, or corporation) (Type or print) Address Rt 5 Box 1010 ELLENS burg
	[Signed] Tuelce Boch (Well Driller)
I	License No 22 Date 8 - 6 1986

hrs.

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

Bailer test 50 gal/min, with ft. drawdown after hrs.

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

No

Water Level

Water Level | Time

Artesian flow.....g.p.m. Date....

Date of test .

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WATER WELL REPORT

Application	No9
Permit No.	Est. Location

STATE OF WASHINGTON ______Address_____41) & Em Club Rd. (1) OWNER: Name...... Dick Laurent Jun 15 4 Sec 27 T /3 N R 19EWM (2) LOCATION OF WELL: County..... Yakima ing and distance from section or subdivision corner (10) WELL LOG: (3) PROPOSED USE: Domestic 🗗 Industrial 🗌 Municipal [Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation. Irrigation | Test Well | Other П Owner's number of well (4) TYPE OF WORK: MATERIAL FROM (if more than one)... New well Method: Dug . Bored [P Deepened Cable 🔲 Driven [4 23 Reconditioned [Rotary [Jetted 🔲 (5) DIMENSIONS: Diameter of wellb............ inches. Drilled 46 ft. Depth of completed well 46 ft. 40 (6) CONSTRUCTION DETAILS: Casing installed: 6 Diam. from 6 ft. to 4/ ft. Threaded [...... ft. to ft. ft. to ft. Perforations: Yes No 12 Type of perforator used..... SIZE of perforations in. by in. perforations from it. to perforations from ft. to ft. perforations from ft. to ft. Screens: Yes No Z 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 Size of gravel: DEPARTME Gravel placed from ft. to ft. Material used in seal BCALIAITE Did any strata contain unusable water? Yes 🗌 No 🗗 Type of water?..... Depth of strata... Method of sealing strata off..... (7) PUMP: Manufacturer's Name..... DEPARTME -CENTRAL: Land-surface elevation above mean sea level.... (8) WATER LEVELS: Static levelft. below top of well Date.....ft. Artesian pressurelbs. per square inch Date...... Artesian water is controlled by.....(Cap, valve, etc.) Drawdown is amount water level is lowered below static level are Life (9) WELL TESTS: Work started 6/30 19.50. Completed 6/30 1950 Was a pump test made? Yes \(\bar{\sigma} \) No (2 If yes, by whom?... WELL DRILLER'S STATEMENT: Yield: フィー gal./min. with ft. drawdown after 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) Water Level | Time Water Level | Time (Person, firm, or 'ate of test ... Yell Driller) [Signed]... er test.....gal./min. with.....ft. drawdown after.....ft. sian flow......g.p.m, Date..... License No. 0357 Date 7/1 1980 perature of water...... Was a chemical analysis made? Yes [No [

WATER WELL REPORT STATE OF WASHINGTON

Application No. Est. Location

(1) OWNER: Name Tim Egland	Address 220 5. 4/5+ 5+.
LOCATION OF WELL. Volcium	SU SE 17-13-19
Bearing and distance from section or subdivision corner Parcel	# 191327-43402
(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	Sandy loam 0 1
Deepened ☐ Cable ☐ Driven 😭 Reconditioned ☐ Rotary 🛣 Jetted ☐	Brown sandy clat 1 11
	Gravel 11:30
(5) DIMENSIONS: Diameter of well	Coarse sand 30 33
Drilled 90 ft. Depth of completed well 90 ft.	Gravel 33 48
(6) CONSTRUCTION DETAILS:	Fine sand 48 55
•	Tan sandy clay 55 73
Casing installed: 6." Diam. from 0. ft. to 80. ft.	Fine sand 73 76
Threaded Diam, from ft. to ft.	Brown sandstone 76 90
Welded X Diam. from ft. to ft.	
Perforations: Yes ☐ No 🛛	
Type of perforator used	
SIZE of perforations in. by in.	
perforations from	
Screens: Yes 🗆 No 🕱	-
Manufacturer's Name	
Type	
Diam. Slot size from ft, to ft.	
Gravel packed: Yes 🗆 No 🕅 Size of gravel:	
Gravel placed from ft. to ft.	
Surface seal: Yes M No To what depth?30 ft.	
Material used in seal Bentenite	
Did any strata contain unusable water? Yes \(\square\) No \(\square\)	
Type of water? Depth of strata	
Method of sealing strata off	The state of the s
(7) PUMP: Manufacturer's Name	12.14.12/13/11
Type:	
	DEC 17 1986
(8) WATER LEVELS: Land-surface elevation above mean sea level	1000
Static level9ft, below top of well Date 10-7-86	
Artesian pressurelbs. per square inch Date	DEPARTMENT OF ECOLOGY
Artesian water is controlled by(Cap, valve, etc.)	VIRAL RECEIVED
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 10-6 19 86 Completed 10-7 186
Was a pump test made? Yes 🕱 No 🗆 If yes, by whom? Bach	
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
n n n n	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)	Dock Well Drilling Company
Time Water Level Time Water Level Time Water Level	NAME Bach Well Drilling Company (Person, firm, or corporation) (Type or print)
	4
	Address Rt. 1 Box 1401 Moxee, Wa. 9893
	S (V V 11
Date of test 10-7-86	[Signed] OM U DOV
Petter test 100 gal/min. with 11 ft. drawdown after. 1 hrs.	(Well Driller)
Artesian flow	License No. 1436 DateOctober 7, 19.86
Temperature of water Was a chemical analysis made? Yes 🗌 No 🕱	Literise 110

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ECY 050-1-20

NATER WELL REPORT STATE OF WASHINGTON

Permit No. Est. Location

Singson In Bruch (1) OWNER: Name /// - NG 14 SE 14 Sec 27 T/3 N R/9 WM LOCATION OF WELL: County / 9 H 1 Mg pering and distance from section or subdivision corner (10) WELL LOG: Municipal 🗌 (3) PROPOSED USE: Domestic 🗗 Industrial 🗌 Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation. Irrigation [Test Well [Other \Box Owner's number of well if more man one.... (4) TYPE OF WORK: MATERIAL Method: Dug Bored [New well Ø. DIXT. Cable [Driven 🗍 Deepened Rotary 🛛 Reconditioned [Jetted [Diameter of well (5) DIMENSIONS: ... inches. Drilled 1. 2 it. Depth of completed well 1. (6) CONSTRUCTION DETAILS: Casing installed: Diam. from # 19. ft. to 7 % ft. Diam. from ft. to ft. 6...." Diam. from + 1..... ft. to + 0.54. ft. Perforations: Yes 🗆 Type of perforator used..... SIZE of perforations in. by in. perforations from ft. to ft. ft. to ft. perforations from ft. to ft. Screens: Yes | No th Manufacturer's Name..... Type...... Model No... Diam. Slot size from ft. to ft. Diam. Slot size from ft. to ft. Gravel packed: Yes □ No 🖆 Gravei placed from ft. to Did any strata contain unusable water? Yes 🗍 Type of water?..... Depth of strata..... Method of sealing strata off..... (7) PUMP: Manufacturer's Name. Land-surface elevation above mean sea level... (8) WATER LEYELS: Static level Artesian pressurelbs. per square inch Date..... Artesian water is controlled by..... (Cap, valve, etc.) Drawdown is amount water level is lowered below static level (9) WELL TESTS: Was a pump test made? Yes No [] If yes, by whom?.... WELL DRILLER'S STATEMENT: ft. drawdown after hrs. Yield: gal./min. with ,, 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) Water Level Water Level | Time Water Level Time (Well Driller) Bailer test......gal/min. with......ft. drawdown after... Artesian flow.....g.p.m. Date... Temperature of water...... Was a chemical analysis made? Yes ☐ No ☐

3

WATER WELL REPORT

Application No.

STATE OF WASHINGTON

(1) OWNER: Name	Address
(OCATION OF WELL: County Williams	SW 14 BE 14 Sec 27 T /3 N. R / 9 WM
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 of more than one)	MATERIAL FROM TO
New well 2 Method: Dug	Top Sail 06
Reconditioned Rotary & Jetted	
	Thirt Rocky sound 6:18
(5) DIMENSIONS: Diameter of well inches. Drilled 5 ft. Depth of completed well ft.	Sandstonet Jack 18 48
(6) CONSTRUCTION DETAILS:	
Casing installed: 6 Diam. from t. to 40 ft.	
Threaded	
Perforations: Yes 🗆 No 💢	
Type of perforator used in. by in.	
perforations from	
perforations from ft. to ft.	
perforations from ft. to ft.	
Screens: Yes No 'W	
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 O No V Size of gravel:	
Gravel placed from ft. to ft.	
Surface seal: Yes No D To what depth? 18 ft. Material used in seal Bondonical	
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:	3
(8) WATER LEVELS: Land-surface elevation above mean sea level tt.	DEC - 2 1987
Static level 6 ft. below top of well Date 8-12-87	
Artesian pressure	APPARITATION OF FOUNDON
Artesian water is controlled by(Cap, valve, etc.)	CENTRAL REGION OFFICE
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 3-// 1987 Completed 8-/2 1987
Was a pump test made? Yes No I If yes, by whom?	WELL DRILLER'S STATEMENT:
Yield: HO gal./min. with ft. drawdown after hrs.	
" WALL OF " "	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)	B+ 1 A- M On
Time Water Level Time Water Level Time Water Level	NAME OF MANUAL AND (Person, firm, or corporation) (Type or print)
	Address 2 10 2 Tiver Hoad Hakima
Date of test	Isimul Steve Wakaliell
Bailer test gal./min. with ft. drawdown after hrs.	[Signed] (Well Driller)
Artesian flowg.p.m. Date	License No. 0991 Date 4-12 1987
Temperature of water Was a chemical analysis made? Yes 🔲 No 🅰	License No. 277 Date J

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

WATER WELL REPORT

Application No.	Application No.	
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Second Copy — Owner's Copy Third Copy — Driller's Copy STATE OF V	VASHINGTON Permit No.
(1) OWNER: Name I Maye Designations	Address Rt. 1 Box SC 11/4/8
') LOCATION OF WELL: County Yaking February and distance from section or subdivision corner	aucher Rd _ K Sec 27 T/3 N, R/9 W.M.
(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) New well Method: Dug Bored Deepened Cable Driven D	MATERIAL FROM TO
Reconditioned Rotary Jetted (5) DIMENSIONS: Diameter or well inches. Drilled S Depth of completed well 13 it.	and to pur text . " so I up
(6) CONSTRUCTION DETAILS:	Summer Tion water
Casing installed: "Diam. from ft. to ft. Threaded "Diam. from ft. to ft. Welded "Diam. from ft. to ft.	of the top of the ground
	W. 12 12 is
Perforations: Yes No D	grand.
perforations from ft. to ft. perforations from ft. to ft.	
Screens: Yes 🗆 No 🕱	
Type Model No Diam. Slot size from ft. to ft. Diam. Slot size from ft. to ft.	
Gravel placed from 3 Size of gravel: 11/2 1 Chark! Gravel placed from 3 ft. to 1.3 ft.	
Surface seal: Yes No to what depth?	
Type of water?	=======================================
(7) PUMP: Manufacturer's Name DECUTE: Type: Catto fugas HP 5	
(8) WATER LEVELS: Land-surface elevation above mean sea levelft.	MAR 1 = 1381
Static levelft. below top of well Date	The state of the s
Artesian water is controlled by(Cap, valve, etc.)	DEPARTME HEGION
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started March 19 86. Completed March 19 86.
Was a pump test made? Yes No X If yes, by whom?	WELL DRILLER'S STATEMENT:
0 0	This well was drilled under my jurisdiction and this report is
" " " " " " " " " " " " " " " " " " "	true to the best of my knowledge and belief.
measured from well top to water level Time Water Level Time Water Level	NAME Person, firm, or corporation) (Type or print)
	Address Rt. 1 Box 56, Mire
Date of test	[Signed] (Well Driller)
Artesian flow	License No