DRAFT
SITE HAZARD ASSESSMENT
(SHA) REPORT

EXXON BIG "B" MINI MART
1611 Canyon Road
Ellensburg, Washington
Yakima County

Prepared for:

Washington Department of Ecology
801 Summitview Avenue, Suite 1
Yakima, Washington 98902

Prepared by:

DPRA Incorporated
E-1500 First National Bank Building
332 Minnesota Street
St. Paul, Minnesota 55101

and

Science Applications International Corporation
626 Columbia Street N.W., Suite 1-C
Olympia, Washington 98501

May 1991

Bi-"B" Mini Mart -
Comment(s) to SHA Draft Report.
Tony Valero 5/28/91

1) Pages 2 AND 3 are missing, which I assume are "Section 2.0 Environ. Setting" which is also missing.

talked to Barb Morson (SAIC) 5/29/91 @0854, will send respond to me.
[signature]

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LIST OF EXHIBITS

ATTACHMENTS

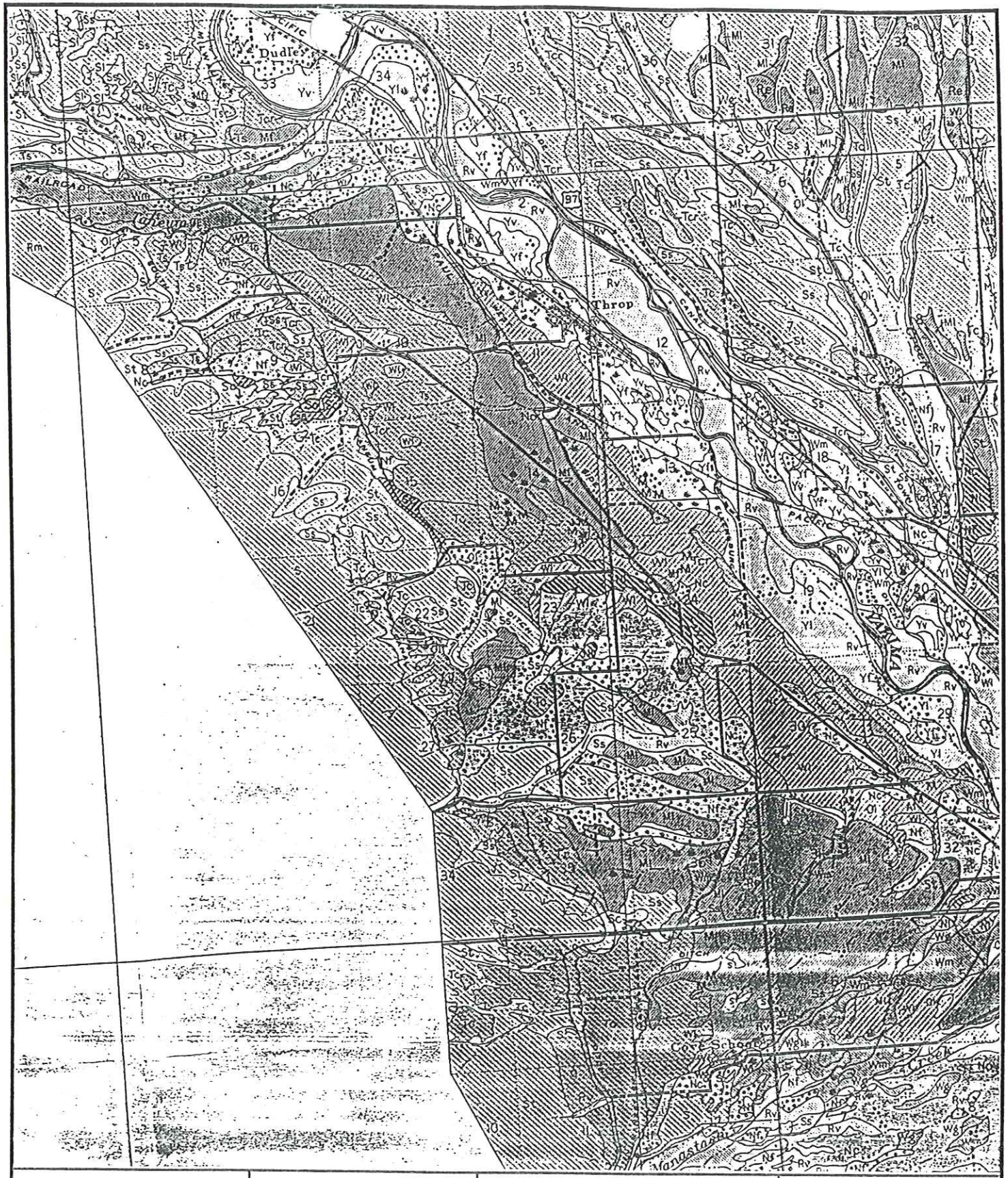
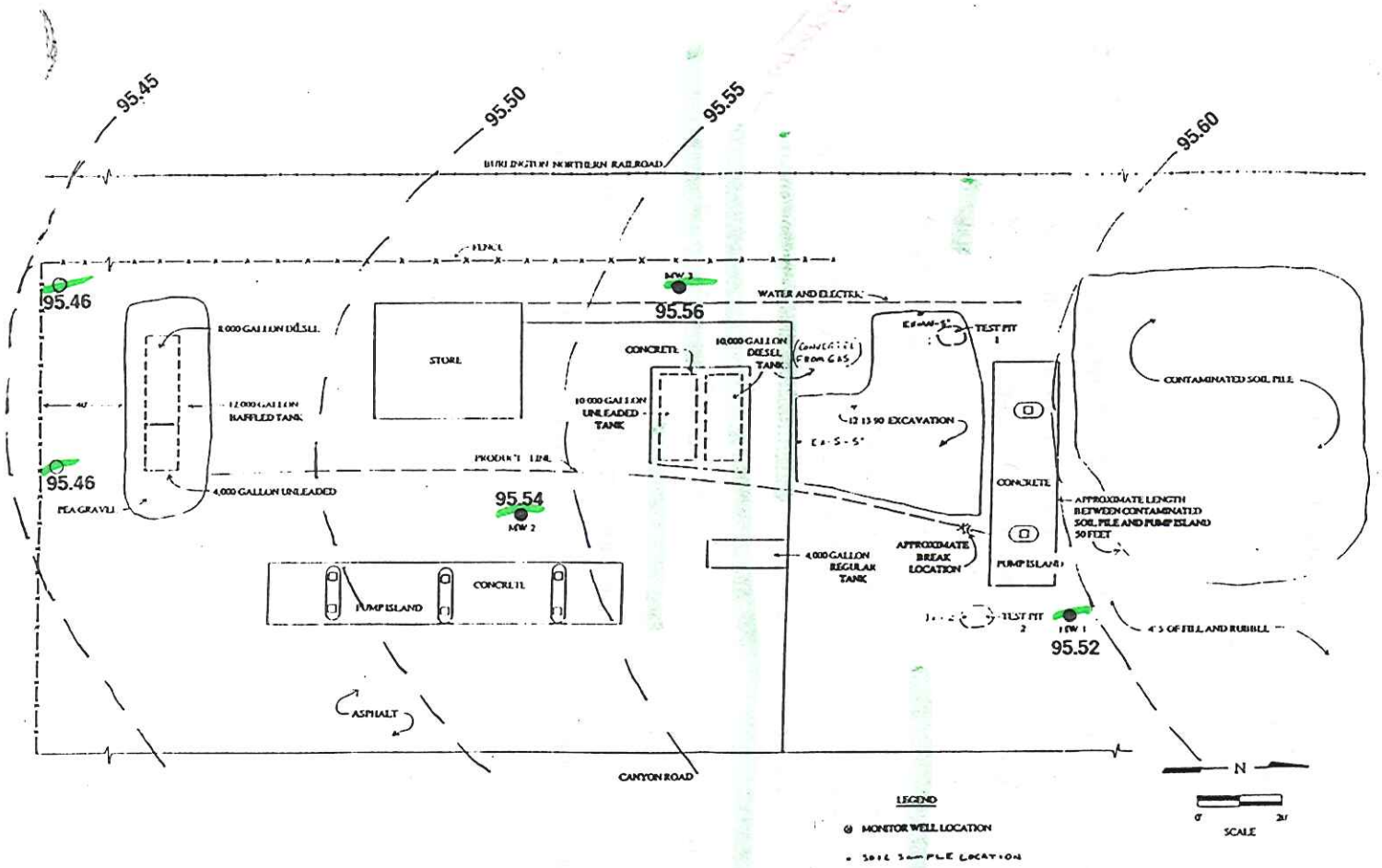


EXHIBIT 2.2
SOILS MAP

VALLEY OIL COMPANY
7369 WEST HIGHWAY 13
SAVAGE, MINNESOTA

DPRA

PROJECT NO. 3751.007



○ NEW MONITORING WELLS INSTALLED BY OWNER

⊕ NEW MONITORING WELLS INSTALLED BY WDOE CONTRACTOR

● EXISTING MONITORING WELLS

EXHIBIT 2.3 GROUNDWATER CONTOUR MAP EXXON BIG B ELLENSBURG, WA	DPRA PROJECT NO 3751 007

3.0 WASTE MANAGEMENT PRACTICES AND PREVIOUS INVESTIGATIONS

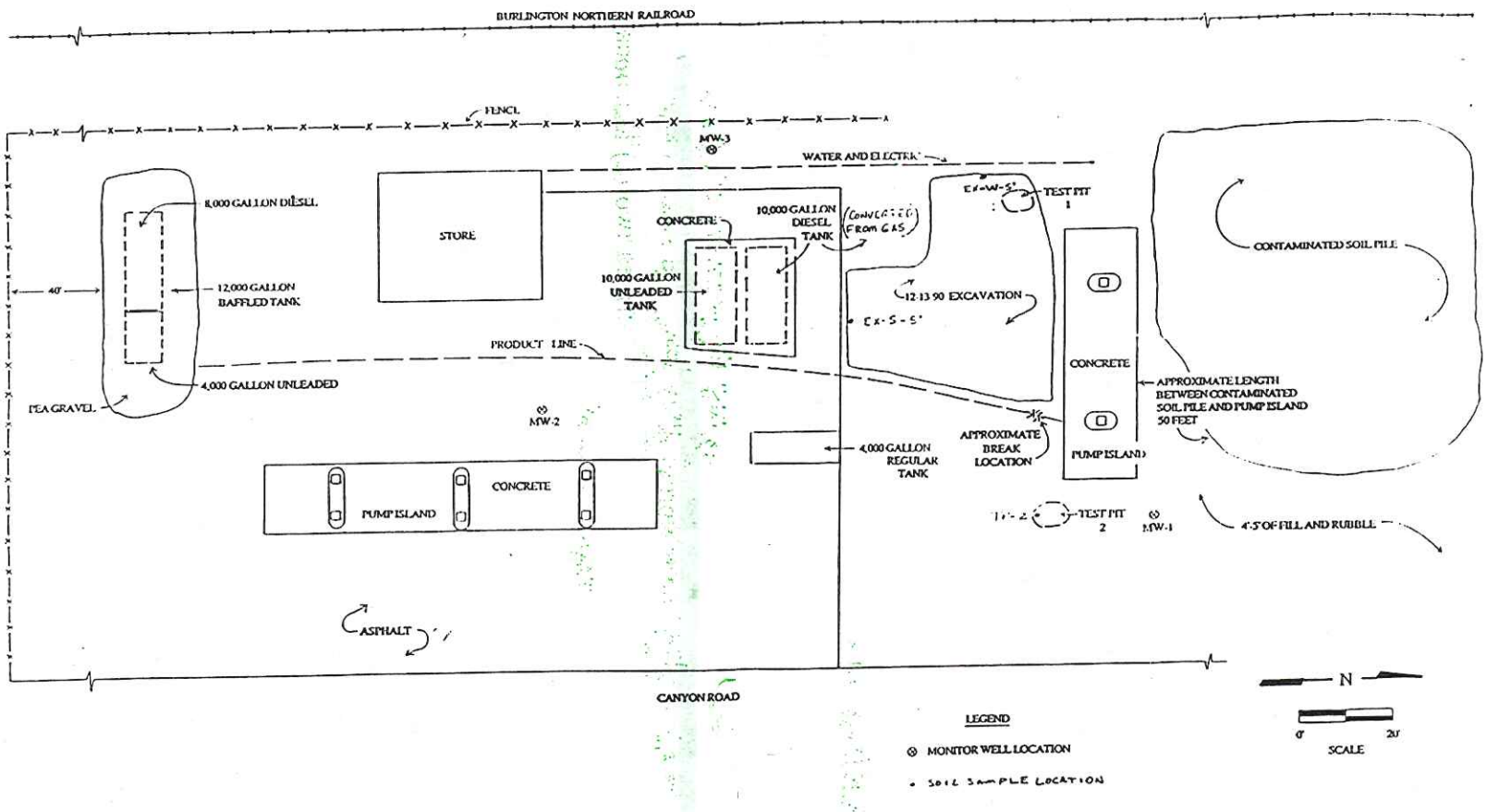
The leaking of diesel fuel from tank(s) at the Exxon Big "B" Mini Mart was first discovered in October 1990 while excavating a pit to install another underground storage tank (UST). There are four USTs located at the site. These tanks include the following:

- o 1 - 12,000 gallon baffled (4,000 gallon unleaded and 8,000 gallon diesel);
- o 1 - 10,000 gallon diesel;
- o 1 - 10,000 gallon unleaded; and
- o 1 - 4,000 gallon regular.

These tank locations are presented in Exhibit 3.1. The soil and groundwater were both discovered to be contaminated. The highest total petroleum hydrocarbons (TPH) concentration in the soil was 3,700 parts per million (ppm). The contaminated soil was removed and had been stockpiled at the site until it was recently disposed. Three monitoring wells were initially installed at the site (MW-1, MW-2, and MW-3). The highest concentration of extractable hydrocarbons in groundwater was 5,500 parts per billion (ppb). One groundwater sample (MW-3) had 35 ppb purgeable hydrocarbons, 1.9 ppb benzene, 0.46 ppb ethylbenzene, and 8.3 ppb xylenes. During the recovery of diesel contaminated groundwater, the fluid leaked into the previously described swampy area. In March 1991, the PLP contractor (Seacor) returned to the site and drilled two (2) additional borings in which were set two (2) additional monitoring wells. These wells are located adjacent to the southern property boundary. One monitoring well is near the southwest corner of the property and the second well is located approximately 50 feet due east of this well. Groundwater was sampled from these monitoring wells after the installation. The analytical results for these groundwater samples were not available at the time of the April SHA field activities.

DRAFT

FIGURE 1
SITE PLAN



SEACOR

EXHIBIT 3.1
SITE MAP OF PREVIOUS INVESTIGATION

EXXON BIG B
ELLENSBURG, WA

DPRA

PROJECT NO 3751 007

7

4.0 FIELD ACTIVITIES

The field activities related to the Exxon Big "B" Mini Mart SHA included the following:

- o drilling a boring in a position believed to be upgradient of the diesel fuel leak;
- o set a monitoring well in that boring which was designated MW-6 (background monitoring point);
- o obtain a groundwater sample from MW-6;
- o generate a groundwater contour map based on surveyed water level elevations in the old and newly installed monitoring wells; and
- o obtain a surface water sample from a water way possibly impacted by the groundwater contamination.

The upgradient soil boring and placement of the background monitoring well was completed on April 11, 1991. The boring was advanced to a depth of 13.5 feet which was approximately 9 feet below the depth at which groundwater was initially encountered. The soils consisted of gravels, pebbles, cobbles, and a trace amount of boulders. The grain size increased with depth. The lithology of the cuttings is depicted on the boring log found in Attachment III. There were not any soil samples obtained for analyses due to the coarse material encountered. Grab samples were obtained for screening of organics using a portable Photoionization Detector (PID). These cuttings were logged by the on-site geologist. The actual base of the monitoring well is 12.97 feet with the bottom of the screen interval coinciding with this depth. The top of the screen is at 2.97 feet. these depths were chosen to insure that the top of the screen always remained above the surface of the groundwater table. The sand filter pack was placed from the base of the boring to a depth of 2.5 feet. A bentonite seal was then placed from 2.5 to 1.5 feet. The remainder of the boring was backfilled with Portland Cement and a flush-grade monument was installed over the monitoring well.

The background monitoring well (MW-6) was developed and sampled on April 21, 1991. the field measurements obtained during the development stages are presented in the field notes in Attachment IV. A total of 60 gallons of water was removed from the monitoring well during the development process. This is equivalent to approximately 11 well volumes. Upon completion of the removal of the groundwater and stabilization of the water level in

the monitoring well, which was immediate, a groundwater sample was obtained and submitted to Weyerhaeuser Laboratory for analysis of BETX and Petroleum Hydrocarbons. The samples was designated EBW-006.

A survey of water level elevations and a surface water sample were obtained on April 22, 1991. The surface water sample was obtained at the irrigation ditch outfall under the Interstate 90 overpass over Canyon Road. This location is south-southeast of the site and the water in the irrigation ditch may have been in contact with the water table downgradient of the site. This site was chosen over the swampy area because the swamp was dry. This surface watr sample was designated ESW-001.

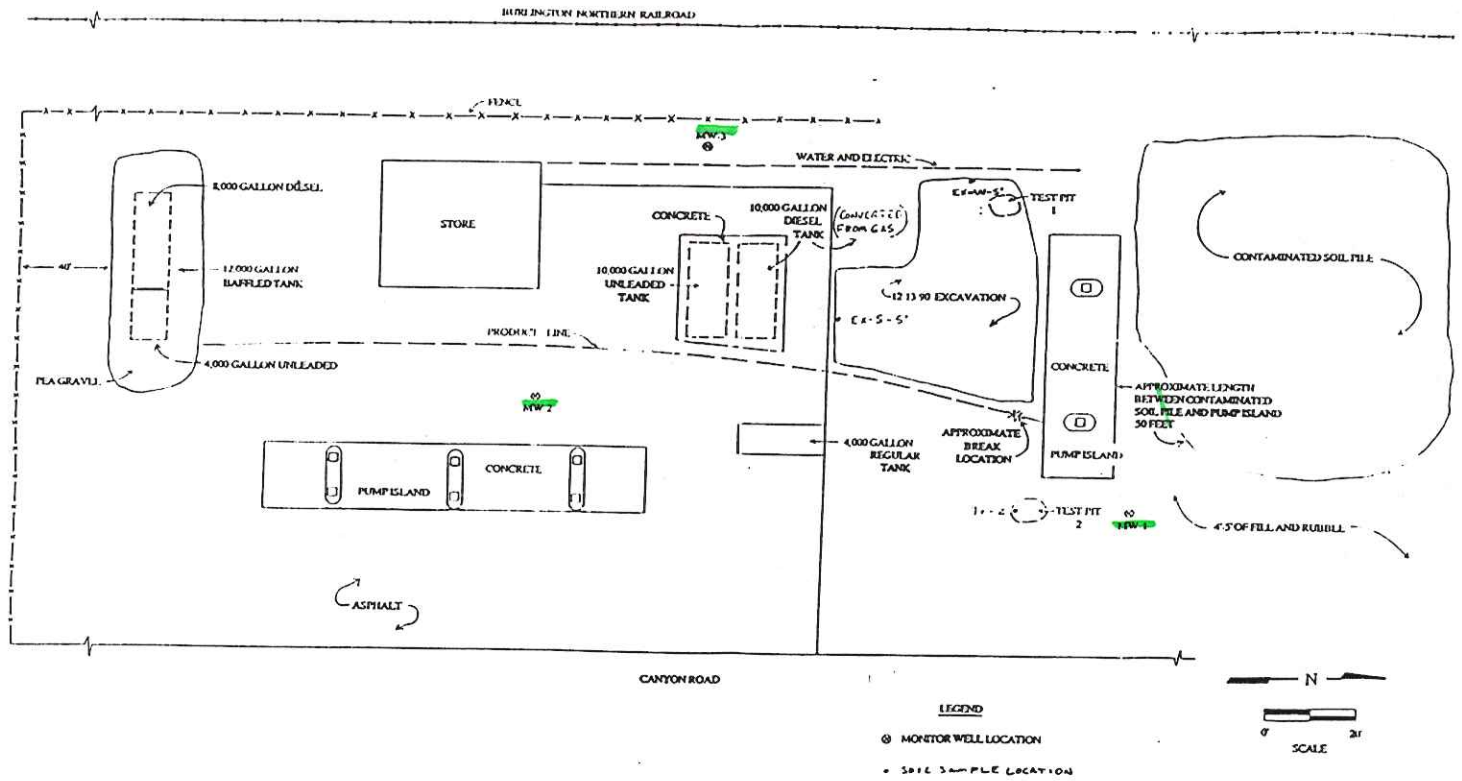


EXHIBIT 4.1
DETAILED SITE MAP

EXXON BIG B
ELLENSBURG, WA

OPRA

PROJECT NO. 3751.007

EXHIBIT 4.2
ANALYTIC SUMMARY

EXXON BIG "B"
1161 Canyon Road
Ellensburg, WA

GROUNDWATER CHEMICAL ANALYSIS SUMMARY

Sample Identification	Sample Date	Benzene (ug/l)	Ethyl-benzene (ug/l)	Toluene (ug/l)	Xylenes (ug/l)	TPH as gasoline (mg/l)	TPH as diesel/fuel oil (mg/l)	TPH as hydraulic/lube oil (mg/l)
EBW-006	4/21/91	---	---	---	---	---	---	< 5
EXS-001	4/21/91	---	---	---	---	---	---	< 5
BLANK	4/21/91	---	---	---	---	---	---	< 5

--- = analyzed but not detected
na = not analyzed
ug/l = micrograms per liter - equivalent to parts per billion (ppb)
mg/l = milligrams per liter - equivalent to parts per million (ppm)
TPH = Total Petroleum Hydrocarbons

5.0 REFERENCES

1. DPRA Incorporated, April 11, 1991, Site Hazard Assessment Site Visit.
2. State of Washington Public Water Supply System Listings and Recorded Water Rights of WDOE, Region 4.
3. WDOE Initial List Report for Exxon Big "B" Mini Mart, October 30, 1990.
4. Soil Conservation Service, Yakima County.
5. State of Washington Public Water Supply Database.
6. State of Washington Water Rights Information System Database.
7. John Gieber, SEACOR, letter report on Exxon Big "B" Mini Mart, January 23, 1991.
8. Initial LUST Report, Exxon Big "B" Mini Mart, October 30, 1990.

ATTACHMENT I

SHA DCSS

EXXON BIG "B" MINI MART

PART I: **Hazardous Substances**

NOTE: Page numbers (e.g. SW-2) shown in parentheses thoughout this checklist refer to the WARM Scoring Manual. WK- numbers refer to pages of the new scoring sheets (not those in the scoring manual).

A. LIST

List hazardous substances, known or suspected (check k or s), currently at the property, or that have been previously(check c or p) at the property (WK-2,3):

Hazardous Substance	K	S	C	P	Quantity	Units
1. Diesel Fuel					N/A	
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						

Additional?_____(list on attachment)

By which routes are these available?

Number(from above)	Surface Water	Air	Groundwater
1. Diesel Fuel	X		X
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			

B. SOURCES

Check those known or observed (WK-3):

_____ drums or other containers
_____ electrical transformers
_____ above ground tanks
_X____ below ground tanks
_____ ponds, pits, or other impoundments
_X____ pipelines (other than water, sewer, or gas)
_____ floor drains
_____ exterior drains for rainwater, surface waters, spills, etc.
_____ other? Identify:_____

C. INDICATORS

Check those known or observed:

_____ discolored soils
_____ disturbed soils
_____ discolored standing water
_____ unusual or noxious odors
_____ sick or dead vegetation
_X____ groundwater monitoring wells
_____ other? Identify:_____

If any are checked in B or C, explain details including exact locations (identify location on a map or drawing).

Additional information: Four underground storage tanks (USTs) located at facility - contents being diesel fuel or regular or unleaded gasoline. Five groundwater monitoring wells - with one monitoring well added during SHA

PART II: Rel. .ses

A. KNOWN OR SUSPECTED RELEASES

List those hazardous substances identified (by number) in I.A. which are known, or suspected, to have been released (WK-2,3):

Substance (#)	Quant.Released	Units	Medium released to

Additional information/reference? _____

B. SOURCES AND IMPACTS (Pages SW-5,6; A-9,10; GW-6,7)

List those hazardous substances identified (by number) in II.A. and identify the source and impact:

Substance No.	Source	Impacts/affects To	Area

Additional information/reference? _____

III. Migration Potential

A. CONTAINMENT--LANDFILLS (SW-7; A-12; GW-8,9)

Present? No How many? 0

Check those that apply:

1. _____An engineered, maintained run-on/run-off control system
2. _____An engineered/maintained cover without ponding
3. _____Unmaintained run-on/runoff control system or cover
4. _____No run-on/runoff control or no cover
5. _____Uncontaminated soil cover greater than 6" thick
6. _____Uncontaminated soil cover less than 6" thick
7. _____Contaminated soil used as cover
8. _____A functioning vapor collection system
9. _____Mixing or agitation used
10. _____No liner
11. _____Single clay or compacted soil liner (permeability_____cm/sec)
12. _____Single synthetic liner (permeability_____cm/sec)
13. _____Double liner system (permeability_____cm/sec)
14. _____Leachate collection system, maintained and functioning
15. _____Leachate collection system, unknown condition or not functioning
16. _____Liquid wastes may have been disposed of
17. _____Liquid wastes were disposed of in landfill
18. _____Reliable evidence no liquid wastes were disposed

Additional comments: _____

B. CONTAINMENT--SURFACE IMPOUNDMENTS (SW-7,8; A-13; GW-10,11)

Present No How many? 0

Check those that apply:

1. _____The dike is apparently sound
2. _____The dike is regularly inspected and maintained
3. _____There is evidence of failure, erosion, slumping, or release of contents
4. _____Two feet of freeboard maintained automatically
5. _____The freeboard is manually controlled so that there is at least 2 feet of freeboard
6. _____Evidence of insufficient freeboard (<2 ft.)
7. _____A maintained cover
8. _____Unmaintained cover, no cover
9. _____No liner
10. _____Single synthetic liner
11. _____Single clay or compacted soil liner
12. _____Double liner
13. _____Working leak detection system
14. _____Evidence of loss of fluid (other than by evaporation)

Additional comments: _____

C. CONTAINMENT--DRUMS AND SMALL CONTAINERS (SW-9; A-11; GW-11)

Present No How many? 0

Check those that apply:

1. _____No functional containment

2. _____There is secondary containment capacity for the total volume of containers

3. _____There is secondary containment with capacity for at least 110% ofvolume of the largest container

4. _____The secondary containment is less than 110% of the volume of the largest container

5. _____The containers are stored in single, or double layers on pallets,or in racks

6. _____The containers are stored in an unstable manner

7. _____Some containers are open or have visible liquid

8. _____Some containers are leaking

9. _____Containers are protected from weather

10. _____Containers showing deterioration

11. _____Containment surface is impervious

12. _____Containment surface has cracks or semi-permeable

13. _____No base material/permeable base such as gravel/base materials unknown

13. _____Containment is regularly inspected and maintained

14. _____Evidence of containment failure

Additional comments: _____

D. CONTAINMENT--STORAGE TANKS (SW-9; A-11; GW-11)

Present? Yes How many? 4

Check those that apply:

1. ____ Secondary containment with a capacity of 110% of the volume of the tanks

2. ____ Secondary containment at least 50% of the volume of all tanks

3. ____ Containment system with capacity for at least 10% of volume of containers or tanks

4. X No containment, or less than 10% capacity

5. X Tank volumes maintained

6. X Automatic controls used for volume maintenance

7. X Tanks are covered

8. ____ Uncovered tanks have aeration, mixing, or heating of tank contents

9. ____ Containers sealed, protected

10. ____ Containers sealed, not protected

11. ____ Containers deteriorated

12 ____ Containers leaking

13. Record the #s of above which apply only to above ground tank ____

14. Record the #s of above which apply only to below ground tanks ____

15. Record the #s of above which apply to both above and below ground tanks: 4 - 7

Additional comments ____

E. CONTAINMENT--WASTE PILES (SW-10; A-13; GW-12,13)

Present? Not at time of inspection How many?_____

Check those that apply:

1. _____Waste pile is outside, no protecting structure

2. _____Waste pile is outside, in open structure with roof

3. _____Waste pile is outside, with partial or unmaintained cover

4. _____Waste pile is outdoors, with maintained cover

5. _____No cover is present

6. _____Waste pile is fully enclosed, intact building

7. _____There is an engineered run-on/run-off control

8. _____The run-on/run-off is maintained

9. _____Run-on/runoff control present, unknown condition

10. _____No run-on/runoff control system present, or unknown if present

11. _____Liner or base present; _____Not present.

12. _____Single clay or compacted soil liner

13. _____Single synthetic liner

14. _____Double liner

15. _____Maintained, functioning leachate collection system

16. _____Leachate collection system;____Unknown condition; or _____Not functioning.

Additional comments A pile of petroleum contaminated soil was stockpiled at the site prior to the April SHA. This pile was removed.

F. CONTAINMENT--SPILLS, DISCHARGES, AND CONTAMINATED SOIL (SW-10,11; A-13,14; GW-13)

Check those that apply:

1. _____ Spill, discharge, or contaminated soil only in the subsurface at the site--including dry wells, drain fields, leaking underground storage tanks

2. _____ Soil contamination that has been covered partially excavated and filled with at least 6 inches of clean soil

3. _____ Soil contamination that has been covered or partially excavated and filled with less than 6 inches of clean soil

4. _____ Uncontaminated soil cover >2 feet thick

5. _____ No cover; or _____ Cover <2 feet, but > 6" thick

6. _____ Spill, discharge, or contaminated soil present at the surface in an area with maintained run-on/run-off control

7. _____ Spill, discharge, or contaminated soil present at the surface in an area with unmaintained run-on/run-off controls?

8. _____ Spill, discharge, or contaminated soil present at the surface with no run-on/run-off control or unknown controls?

9. __X__ Contaminated soil has been disturbed or excavated and stored above grade

10. _____ A functioning vapor recovery system

11. __X__ No vapor recovery system

Additional comments The contaminated soil had been excavated and stockpiled on the property. The contaminated soil was removed prior to the April SHA field activities.

G. CONTAINMENT--SITE CHARACTERISTICS
(SW-11,12; A-6; GW-14; WK-5,6,8)

1. How would you evaluate the site soils? Circle predominant textural class.

X — (Sand, gravel) sandy gravel, well-graded sand, well-graded gravel, gravelly sand, gravelly sand loam, silty sandy loam?

_____ Poorly-graded sands with fines, silt-sand mixtures, loam, silt loam, sandy silt loam, clayey sand, clay sand loam?

_____ Clayey sands, sand-clay mixtures, clayey gravels, clay-sand-gravel mixtures, inorganic silts, clayey silt loam, silty clay loam, porous rock outcrop, sandy silty clay, sandy clay loam?

_____ Clay (organic and inorganic), clay loam, rock outcrop, peat, peaty clay?

Is the above based on personal observation, lab analysis, or professional judgement by a soil expert? (circle)

2. Total annual precipitation= 1 in./yr (SW-12; WK-5)

3. Max. 2-yr/24-hr precip.= .8-1" inches (SW-14; WK-5)

4. Net precipitation (see 2.2, GW-13)= .1 in. (WK-9)

5. Is the site not in a flood plain? X (SW-14; WK-5)
Is the site in a 500 year flood plain? _____
Is the site in a 100 year flood plain? _____

6. What is the terrain slope to the nearest surface water?
0.3 % (SW-14,15; WK-6)

7. What is the subsurface hydraulic conductivity?
10^{-2} cm/sec (GW-14; WK-9)

8. What is the vertical depth from the deepest point of known contamination to ground water? 0 feet (in contact)
(GW-15; WK-9)

Additional comments: _____

IV. Targets

A. DISTANCE TO SURFACE WATER (SW-16; WK-6)

1. What surface water(s) (lake, stream, (river) pond, bay, etc.) is/are within 10,000 feet (downgradient) of the site?

Name	Dist.-ft.	Obs.	Meas.
Yakima River	less than 1 mile		
Drainage Ditch	625		X (topo map)
Wilson Creek	1,000		X (topo map)

None?_____. Comments_____

2. What drinking water intakes are within 2 miles of the site? (all lake intakes, river intakes downstream only) (SW-12; WK-6)

None?_____

Source	Location	Pop. Served
Yakima River	Section 10, but not downstream	

3. How much acreage (anywhere) is irrigated by surface water intakes (downstream only) or wells (anywhere) within 2 miles of the site? (SW-16; GW-18; WK-6,9)

None?_____

SURFACE WATER: Acres (Not downstream) (1600 acres max.)

Source(s)_____;

GROUNDWATER: Acres 166 acres (4500 acres max.)
T17N,R18E- T18N, R18E

Source(s) Wells (Sections 1-3, 10-12;) (Section 35 + 36)
Central WA University, 154 acres)

4. What is the distance to the nearest fishery resource (total of overland distance plus downgradient distance)? (SW-17; WK-6)

Over 10,000 feet? X Distance if less than 10,000 feet? 4,000 ft. (Yakima River, Wilson Creek (2,000')

5. What are the names of, and the distances to, the nearest sensitive environments (total of overland distances plus downgradient distances)? (SW-18; A-15; WK-6)

Over 10,000 feet? X Names and distances if less than 10,000 feet: Mountain view municipal park - approx 1 mile
Yakima River - less than 1 mile (4,000') (downgradient) Wilson Cree would inter
Wilson Creek - 2,000' (downgradient) - or less sect surfac
West side Park - 10,000' (almost) release

Note: (A high school, junior high, and two elementary schools are within 2 miles)

6. Is the aquifer a federally-designated sole source aquifer? No (GW-16; WK-9)

7. Is the ground water used for: (GW-16; WK-9)

- X private supply
- X public supply
- X irrigation of human food crops or livestock
- X non-food (human) vegetation
- ____ not used due to natural contaminants
- ____ ground water not used, but usable

8. Distance to nearest drinking water well? 1300- 2600 feet (GW-17; WK-9)

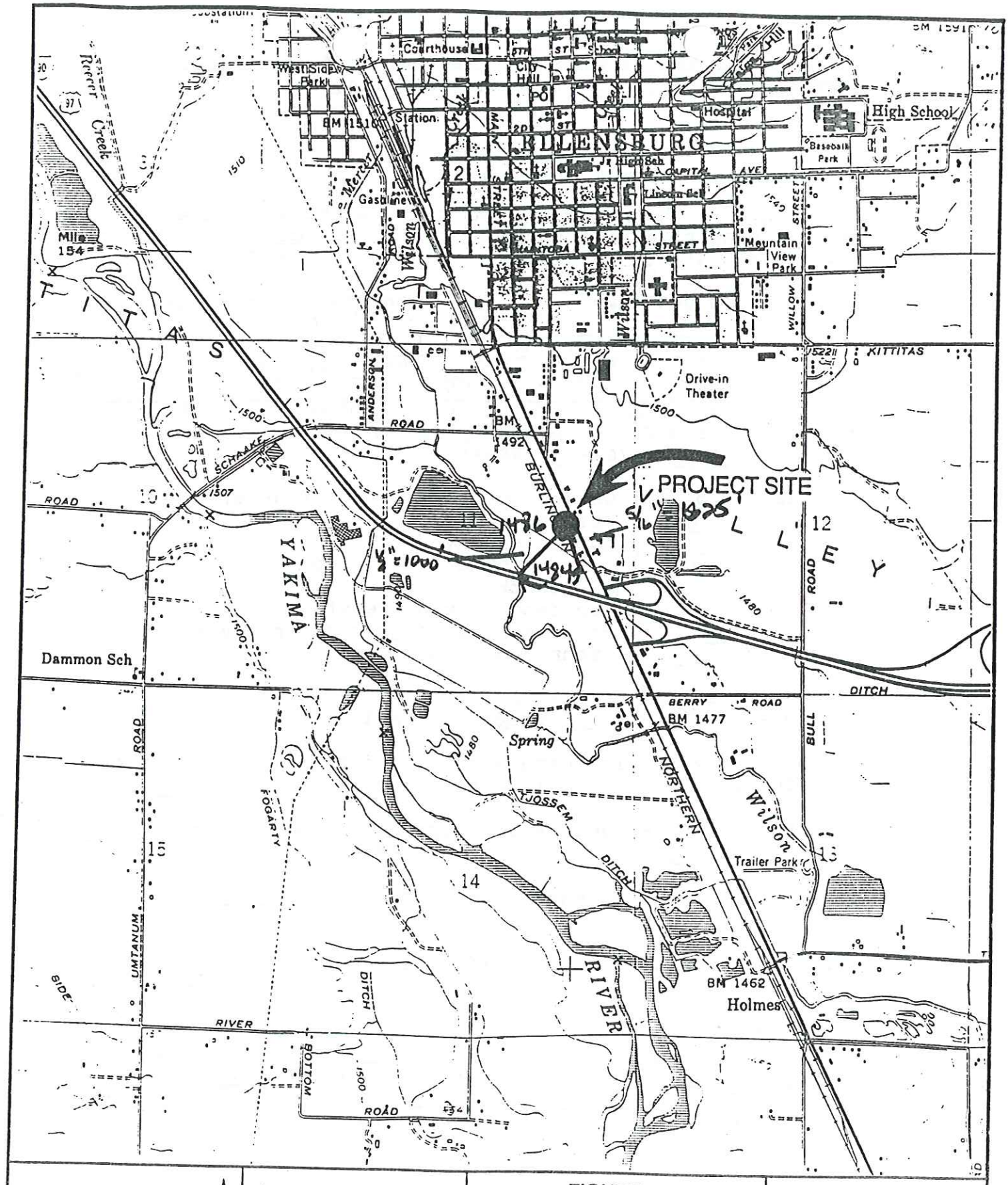
9. Is there an alternate source available to groundwater for private or public water supply? (WK-9) Yes (Yakima River)

10. Population served by drinking water wells within 2 miles? 2,732 (GW-17; WK-9) (approx 2,600) see attached publ
Private wells 44 X 3 = 132 water supply information.

11. Distance to the nearest population? ≤ 1,000 feet (A-15, 16; WK-8)

12. Population within one-half mile radius? 150 (A-16; WK-8)

Additional comments: Ellensburg has several domestic municipal wells in the area. Central Washington University also has a well used for irrigation & domestic; Many private wells are in area. Schools and private water associations who use wells are close to site (within 2 miles).



Gradient:

$\frac{1486-1484}{625} = .003$

$\frac{1486-1484}{1000} = .002$

FIGURE 1.2

SITE LOCATION MAP

EXXON BIG B
ELLENSBURG, WA

DPRA

PROJECT NO.: 3751.007

STATE OF WASHINGTON
PUBLIC WATER SUPPLY SYSTEM LISTING
HZD/SITES/TOXICS-SEA

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ID NO. / SOURCE NO.	SYSTEM NAME / SYSTEM MAILING ADDRESS / BACTI SAMPLING SCHEDULE / POPULATION / SOURCE NAME	COUNTY / CITY, ST ZIP / JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	CLASS / CATEGORY TYPE INTERTIE DEPTH CAPACITY TREATMENT	TWP RNG SEC
37585U	KAMIAKIN WATER ASSOCIATION 13540 25TH NE Bacti: once/12 months Perm: 7	KITTITAS SEATTLE, WA 98125	Class: 4	
	Source: 1	WELL PRI.	20 NONE.	17N 16E 14R
19213N	DIAMOND RING RANCH RT 1 BOX 1040 Bacti: once/12 months Perm: 9	KITTITAS ELLENSBURG, WA 98926	Class: 4	
	Source: 1 WELL #1	WELL PRI.	30' 40 NONE.	17N 17E 11R
46452B	LAZY F METHODIST CAMP RT 1, BOX 1044 Bacti: once/ 3 months (*) Perm: 4 Transitory:	KITTITAS ELLENSBURG, WA 98926 75 75 75 75 75 110 110 110 250 75 75 75	Class: 3	
	Source: 1 WELL	WELL PRI.	115' 15 NONE.	17N 17E 13J
87142W	TAMARCK LANE WATER USERS ASSN 701 TAMARACK Bacti: once/12 months Perm: 21	KITTITAS ELLENSBURG, WA 98926	Class: 4	
	Source: 1 WELL	WELL PRI.	105' 25 NONE.	17N 18E 1P
17765H	DAMMAN SCHOOL RT 1 Bacti: once/12 months Perm: 11	KITTITAS ELLENSBURG, WA 98926	Class: 4	
	Source: 1	WELL PRI.	70' 20 NONE.	17N 18E 10P
023309	ANDERSON HAY & GRAIN CO ANDERSON ROAD Bacti: once/12 months Perm: 0 Transitory:	KITTITAS ELLENSBURG, WA 98926 12 12 12 12 12 12 12 12 12 12 12 12	Class: 4	
	Source: 1 WELL #1	WELL PRI.	50' 15 NONE.	17N 18E 11D
76580A	WASHINGTON BEEF PO BOX 128 Bacti: once/12 months Perm: 0	KITTITAS ELLENSBURG, WA 98926	Class: 4	
	Source: 1	WELL PRI.	600' 435 NONE.	17N 18E 11M
54775P	MILLPOND MOBILE MANOR 2900 CANYON RD #18 Bacti: 1/month Perm: 260	KITTITAS ELLENSBURG,WA. 98926	Class: 1	
	Source: 1	WELL PRI.	150' 225 NONE.	17N 18E 13L

ID NO.	SYSTEM NAME / SYSTEM MAILING ADDRESS / BACTI SAMPLING SCHEDUCE / POPULATION / SOURCE NO. SOURCE NAME	COUNTY / CITY, ST ZIP / JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	CATEGORY	TYPE	INTERTIE	DEPTH	CAPACITY	TREATMENT	TWP RNG SEC
29172L	GRASSLANDS WATER COMPANY %303 N. SNOHOMISH DR Bacti: 1/month Perm: 102	KITTITAS LACONNER, WA 98257							Class: 2
	Source: 1 WELLS 1 & 2		W/FLD	PRI.		120'	60	NONE.	17N 19E 6C
460602	LARRYS AUCTION Bacti: once/12 months Perm: 10	KITTITAS							Class: 4
	Source: 1		WELL	PRI.		150'	44	NONE.	17N 19E 6C
SP6156	OLMSTEAD PLACE ST PARK RT 5 BOX 2580 Bacti: Variable: A BM q q q q q q q q q A Perm: 6 Transitory: 20 28 38 144 188 80 60 125 65 45 35 24	KITTITAS ELLENSBURG, WA 98926							Class: 3
	Source: 1 WELL #1		WELL	PRI.		150'	8	NONE.	17N 19E 9P
06065H	VALLEY POTATO CO., INC. ROUTE 2, BOX 120 Bacti: once/ 3 months Perm: 3 Transitory: 25 25 25 25 25 25 25 25 25 25 25 25	KITTITAS ELLENSBURG, WA 98926							Class: 3
	Source: 1		WELL			30'	200	NONE.	17N 19E 30L
	Source: 2		WELL			40'	50	NONE.	17N 19E 30L
42650A	KITTITAS, CITY OF PO BOX 719 Bacti: 1/month Perm: 786	KITTITAS KITTITAS, WA 98934							Class: 1
	Source: 1 WARMS SPRINGS WATER		SPRING	PRI.			600	CL2.	17N 20E 6A
	Source: 2 WELL #1		WELL	EMER		300'		CL2.	17N 19E 11B
SP316A	GINKGO STATE PARK-NATURAL AREA OLD VANTAGE HIWAY Bacti: (m) Variable: 0 1 0 1 1 1 1 1 1 1 0 1 Perm: 2 Transitory: 84 200 184 288 528 492 520 810 638 320 142 140	KITTITAS VANTAGE, WA 98950							Class: 3
	Source: 1 WELL 3		WELL	PRI.		125'	50	CL2.	17N 22E 23
91250W	VANTAGE WATER SYSTEM %STOCKDALE INC BOX 135 Bacti: once/ 3 months (*) Perm: 115	KITTITAS VANTAGE, WA 98950							Class: 2
	Source: 1 WELL #1		WELL	PRI.		420'	335	NONE.	17N 23E 19Q
	Source: 2 WELL #2		WELL	PRI.		440'	1,000	NONE.	17N 23E 19R
FS450F	KANER FLAT NACHES RANGER DIST. 10061 HWY 12 Bacti: Variable: 0 0 0 0 BM q q q q q 0 0 Perm: 0 Transitory: 0 0 0 0 65 123 123 123 123 102 0 0	KITTITAS NACHES, WA 98937							Class: 3
	Source: 1		WELL	PRI.		65'	100	NONE.	18N 14E 32D

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FS450F  KANER FLAT                          KITTITAS             Class: 3
        NACHES RANGER DIST. 10061 HWY 12    NACHES, WA  98937
        Bacti:                Variable:       0      0      0      0     BM      9      9      9      9      9      0      0
        Perm:           0   Transitory:       0      0      0      0     65    123    123    123    123    102      0      0
        Source:  1                          WELL    FRI.           65'        100  NONE.                           18N 14E 32D
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STATE OF WASHINGTON
PUBLIC WATER SUPPLY SYSTEM LISTING
HZD/SITES/TOXICS-SEA


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ID NO.  SYSTEM NAME                         COUNTY               CLASS
        SYSTEM MAILING ADDRESS              CITY, ST  ZIP
        BACTI SAMPLING SCHEDULE               JAN    FEB    MAR    APR    MAY    JUN    JUL    AUG    SEP    OCT    NOV    DEC
        POPULATION
        SOURCE NO.  SOURCE NAME           CATEGORY  TYPE INTERTIE  DEPTH CAPACITY  TREATMENT                       TWP RNG SEC

FS923W  TAMARACK SPRING CAMPGROUND          KITTITAS             Class: 4
        U.S. FOREST SERVICE, 803 W. 2ND ST  CLE ELUM, WA  98922
        Bacti:                Variable:       0      0      0      0      0      A      A      A      A      0      0      0
        Perm:           0   Transitory:       0      0      0      0      0     10     10     10     10      0      0      0
        Source:  1  TAMARACK SPRING         SPRING  FRI.                             NONE.                         18N 15E 12K

16142L  KITTITAS VALLEY S.D.A. ELEM.SCHOOL  KITTITAS             Class: 4
        RT 1 BOX 539B                       ELLENSBURG, WA  98926
        Bacti: once/12 months
        Perm:           0   Transitory:      17     17     17     17     17     17     17     17     17     17     17     17
        Source:  1  WELL #1                 WELL    FRI.           165'        29  NONE.                           18N 17E  4

42447D  KITTITAS CO. WATER DISTRICT NO. 4   KITTITAS             Class: 2
        BOX 1189                            THORP, WA  98946
        Bacti:     1/month
        Perm:           175
        Source:  1  WELL                    WELL    FRI.           711'       400  CL2.                            18N 17E 12M

88115Q  THORP FRUIT                         KITTITAS             Class: 4
        RT 1 BOX 230                        THORP, WA  98946
        Bacti: once/12 months
        Perm:             2
        Source:  1                          WELL    FRI.           111'        15  NONE.                           18N 17E 13D

069202  BINGO TRUCK STOP                    KITTITAS             Class: 3
        ROUTE 1, BOX 526                    ELLENSBURG, WA  98926
        Bacti: once/ 3 months (* )
        Perm:           0   Transitory:      25     25     25     25     25     25     25     25     25     25     25     25
        Source:  1  WELL #1                 WELL    FRI.           175'              NONE.                         18N 17E 14H

229367  ELKS GOLF & COUNTRY CLUB            KITTITAS             Class: 3
        RT 1                                ELLENSBURG, WA  98926
        Bacti:                Variable:       A      A     BM      9      9      9      9      9      9      9      A      A
        Perm:           2   Transitory:       5      5     40     50     70     70     70     70     50     50     10     10
        Source:  1                          WELL    FRI.            70'        15  NONE.                           18N 17E 30J

22950M  ELLENSBURG WATER DEPT               KITTITAS             Class: 1
        420 N PEARL                         ELLENSBURG, WA  98926
        Bacti:     14/month
        Perm:        12,892
        Source:  1  CITY WELLS              WELL    FRI.            20'     5,600  CL2.                            18N 18E 12R
        Source:  2  RODEO                   WELL    FRI.         1,205'       800  CL2.                            17N 18E  1C
        Source:  3  MEMORIAL                WELL    EMER           278'       450  CL2.                            17N 18E  1D
        Source:  4  MT. STUART              WELL    FRI.           900'       800  CL2.                            18N 18E 35E
        Source:  5  KIWANIS PARK WELL       WELL    FRI.           600'       900  CL2,FL.                         18N 18E 35X
        Source:  6  WHITNEY PARK            WELL    FRI.           775'       900  CL2,FL.                         17N 18E  1G
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CONTROL #	SEC #	OLD APPL	OLD PERM	OLD CERT	DATE OF PRIORITY	S T	C C	A M	CNTY	PERMIT DATE	NAME	SOURCE OF APPROPRIATION	TRIBUTARY OF
#OF PTS	R P	LOC. OF POD/POW	(CHG C#)	PURPOSE OF USE					USE TYPE	INST QI	C M R U S U	ANNUAL QA C M R U S U	IRR AC C M S U PRO-VISOS	TIME OF USE	R I R A R C
WATER RESOURCE INVENTORY AREA- 39															
TOWNSHIP - 17 RANGE - 19 E															
TOWNSHIP - 17 RANGE - 19 E															
S4*06186J	01	06186			00/00/878		06		KITT	/ /	HABEL L W	COOKE CR		CHERRY CR	
1	NW4 SW4			DOMESTIC SINGLE			C		.7	C 3			Q$		
				STOCK WATERING			C		.7	C 3			Q$		
				IRRIGATION			C		.7	C 3	192.5	35.0	Q$	05010915	
S4*06190J	01	06190			00/00/893	E	14		KITT	/ /	MILWAUKEE LAND CO	COOKE CR		CHERRY CR	
1	SW4 NW4			DOMESTIC SINGLE			C		1.8	C 3			Q$		
				STOCK WATERING			C		1.8	C 3			Q$		
				IRRIGATION			C		1.8	C 3	495.0	90.0	Q$	05010915	
S4*06191J	01	06191			00/00/878	E	06		KITT	/ /	MORRISON T J	COOKE CR		CHERRY CR	
1	NW4 SW4			DOMESTIC SINGLE			C		.7	C 3			Q$		
				STOCK WATERING			C		.7	C 3			Q$		
				IRRIGATION			C		.7	C 3	192.5	35.0	Q$	05010915	
G4-24092C	06				09/18/975				KITT	/ /	COBB JAMES A	WELL			
1	N2 SW4			DOMESTIC MULTIPLE			C		41.0	G	11.0		R		
G4-25158C	06				04/21/977				KITT	04/22/980	VENTURES INC	WELLS			
2	NW4SW4			DOMESTIC MULTIPLE			C		200.0	G 2	56.0		R		
				DOMESTIC MULTIPLE			C		200.0	G 2	11.0	S	R		
S4-29010A	10				07/11/986				KITT	/ /	ELLENSBURG WATER	COOKE CR		YAKIMA R	
1	NW4SE4SE4			IRRIGATION			C		25.0	C		1500.0		IS	
G4*01522C	11	01522	01408	00533	05/23/950				KITT	11/13/950	KITTITAS ICE / STO	WELL			
1	S2NE4			HEAT EXCHANGE			C		100.0	G	45.0				
S4*06199JAW	11	06199A			00/00/880	E	08		KITT	/ /	SNODGRASS G W	COOKE CR		CHERRY CR	
1	NW4			DOMESTIC SINGLE			C		1.6	C 3 A			Q$		2 0 0
				STOCK WATERING			C		1.6	C 3 A			Q$		2 0 0
				IRRIGATION			C		1.6	C 3 A	440.0	80.0	Q$	05010915	2 2 2
S4*06199JBW	11	06199B			00/00/880		08		KITT	/ /	SNODGRASS G W	CASCADE CNL		YAKIMA R	
1	NW4			DOMESTIC SINGLE			C		1.6	C 3 A			Q$		2 0 0
				STOCK WATERING			C		1.6	C 3 A			Q$		2 0 0
				IRRIGATION			C		1.6	C 3 A	440.0	80.0	Q$	05010915	2 2 2
S4*06206JAW	11	06206A			00/00/872		04		KITT	/ /	VANDERBILT J W	COOKE CR		CHERRY CR	
1	NE4			DOMESTIC SINGLE			C		2.4	C 3 A			Q$		2 0 0
				STOCK WATERING			C		2.4	C 3 A			Q$		2 0 0
				IRRIGATION			C		2.4	C 3 A	660.0	120.0	Q$	05010915	2 2 2
S4*06206JBW	11	06206B			00/00/872		04		KITT	/ /	VANDERBILT J W	CASCADE CNL		YAKIMA R	
1	NE4			DOMESTIC SINGLE			C		2.4	C 3 A			Q$		2 0 0
				STOCK WATERING			C		2.4	C 3 A			Q$		2 0 0
				IRRIGATION			C		2.4	C 3 A	660.0	120.0	Q$	05010915	2 2 2
S4-29009A	18				07/11/986				KITT	/ /	ELLENSBURG WATER	PARKE CR		YAKIMA R	
1	NW4NW4			IRRIGATION			C		18.0	C		1000.0		IS	
G3+20110C	29				03/14/972				KITT	03/08/974	MENZEL MARX A	WELL			
1	NW4 NW4			DOMESTIC SINGLE			C		15.0	G	1.0		R$		
G4*01162C	29	01162	01118	00433	07/06/949				KITT	12/23/949	PRENTICE G	WELL			
1	NW4SW4			IRRIGATION			C		300.0	G	200.0	P 80.0		IS	
G4-29918A	31				01/30/989				KITT	/ /	WA ST PK&REC COMM	WELL			
1	NW4NE4			DOMESTIC MULTIPLE			C		400.0	G 2					
				IRRIGATION			C		400.0	G 2		36.0		IS	
G4-27432G	32				04/28/981				KITT	05/19/982	ZIRKLE FRUIT CO	WELL			
1	SW4NW4SW4			IRRIGATION			C		700.0	G 2	148.0	37.0	RK	04010930	
				IRRIGATION			C		700.0	G 2 S	118.0	S 148.0	RK	04010930	
G4-29651T	32				03/02/988				KITT	/ /	TOZER DERWARD H	WELL			
1	SW4SEW			IRRIGATION			C		250.0	G	111.8	S 86.0	$RK	04011031	
G4-25265C	34				05/16/977				KITT	11/15/977	KERN BENTLEY III	WELL			
1	SW4NE4			DOMESTIC SINGLE			C		20.0	G 2	2.0		R		
				IRRIGATION			C		20.0	G 2	18.0	5.0	R	04011031	
G4-25315C	35				06/16/977				KITT	12/30/977	CARR JOHN E	WELL			
1	NE4SE4			IRRIGATION			C		55.0	G	S 44.0	S 20.0	R	04011001	

CONTROL # / #OF PTS	SEC / P	OLD APPL / LOC. OF POD/POW	OLD PERM / (CHG C#)	OLD CERT / PURPOSE OF USE	DATE OF PRIORITY	S T	C	A M	CNTY / USE TYPE	PERMIT DATE / INST QI	C M	R U	S U	NAME / ANNUAL QA	C M	R U	S U	SOURCE OF APPROPRIATION / IRR AC	C M	S U	TRIBUTARY OF / PRO-VISOS	TIME OF USE	R I	R A	R C
WATER RESOURCE INVENTORY AREA- 39																									
TOWNSHIP - 17 RANGE - 19 E																									
S4-29012A 1	36 NW4NW4			07/11/986 IRRIGATION					KITT C	/ / 28.0	C			ELLENSBURG WATER				WHIPPLE WASTEWAY 1500.0				IS			
TOWNSHIP - 18 RANGE - 17 E																									
S4*12127C 3	02 GL-1&2, SE4NE4	12127	09085	06601 03/04/953 DOMESTIC SINGLE STOCK WATERING FISH PROPAGATION IRRIGATION					KITT C C N C	08/01/953 .01 .01 .01 39	C C C C	3 3 3		RIDDELL N R				UNN SPRS 40.0			M M M M 20.0	IS			
S4-28371T 1	09 NW4SE4			12/22/983 POWER					KITT N	/ / 4.0	C			LEISHMAN JAMES V				IRRIGATION RUNOFF				04011001			
G4-28644C 1	12 NW4SW4			03/22/985 DOMESTIC MULTIPLE					KITT C	08/14/985 200.0	G			KITTITAS CO WTR DI 37.0				WELL			RK				
G4-29128C 1	12 NW4SW4			09/30/986 DOMESTIC MUNICIPAL					KITT C	11/18/987 150.0	G			KITT WAT DIST #4 37.0				WELL			$RK				
G4*00551S 1	13 NE4NE4	00551		00926 04/13/913 DOMESTIC MUNICIPAL					KITT C	/ / 4861.0	G			ELLENSBURG CITY OF 3850.0				WELL							
G4-29141C 1	14 SE4NE4NE4			10/23/986 COMMERCIAL/INDUSTRIAL					KITT C	12/14/987 25.0	G			PUGET SOUND PO&LT 2.0				WELL			RK				
TOWNSHIP - 18 RANGE - 18 E																									
S4-29011A 1	22 SE4SW4			07/11/986 IRRIGATION					KITT C	/ / 25.0	C			ELLENSBURG WATER				REECER CR 5000.0				YAKIMA R IS			
G4*05359C 2	25 NE4NW4NW4, NE4NE4NW4	05359	05027	03525 07/31/959 S DOMESTIC MUNICIPAL					KITT C	11/13/959 1050.0	G			ELLENSBURG CITY OF 1675.0				WELLS S			A				
G4*06317C 1	26 NE4NW4SW4	06317	05994	04691 05/22/962 DOMESTIC SINGLE					KITT C	10/29/962 5.0	G			CAYS N R 5.6				WELL			A				
G4-25577G 2	28 NE4NW4			10/14/977 IRRIGATION					KITT C	03/15/978 20.0	G			SHELDON DOROTHY H 4.7				WELLS 1.5			R	04011001			
S4-01176C 1	29 SE4NE4	23019		04/16/971 COMMERCIAL/INDUSTRIAL					KITT N	05/06/975 3.0	C			ELLENSBURG CEMENT				UNN POND			S	YAKIMA R 04151001			
S4-24040C 1	29 SE4NE4			05/12/975 COMMERCIAL/INDUSTRIAL					KITT N	04/13/976 3.0	C			ELLENSBURG CEMENT				UNN POND			S	YAKIMA R 10010415			
G4*04792C 1	32 NW4 NW4	04792	04593	03193 02/27/958 DOMESTIC SINGLE STOCK WATERING					KITT C C	09/25/958 10.0 10.0	G G	2 2		SHAW J A 16.0 16.0			2 2	WELL			AE AE				
G3+20691C 1	33 NE4NW4			12/26/972 COMMERCIAL/INDUSTRIAL					KITT C	02/11/975 350.0	G			S & K CONSTR CO IN 70.0				WELL			R$				
G4-26825C 1	33 SE4SE4			06/16/980 COMMERCIAL/INDUSTRIAL					KITT C	06/14/982 250.0	G			SUPERIOR PACKING C 252.0				WELL			K				
G4*00549S 1	35 NW4SE4	00549		00924 08/01/931 DOMESTIC MUNICIPAL					KITT C	/ / 400.0	G			ELLENSBURG CITY OF 79.0				WELL							
G4-25307C 1	35 SW4NW4			06/08/977 DOMESTIC MUNICIPAL					KITT C	02/17/978 1700.0	G			ELLENSBURG CITY OF 2750.0				WELL			R				
G4-29206A 1	35 NW4SE4			02/19/987 DOMESTIC MUNICIPAL					KITT C	/ / 1500.0	G			ELLENSBURG CITY OF				WELL							
G3+20414C 1	36 NW4 NE4			10/25/972 IRRIGATION					KITT C	06/08/973 910.0	G			CENTRAL WA ST U 480.0				WELL 154.0			RM	04011031			

CONTROL # / #OF PTS	SEC / R / P	OLD APPL / LOC. OF POD/POW	OLD PERM / (CHG C#)	OLD CERT / PURPOSE OF USE	DATE OF PRIORITY	S T	C C	A M	CNTY / USE TYPE	PERMIT DATE / INST QI	NAME	ANNUAL QA	C M	R U	S U	SOURCE OF APPROPRIATION	IRR AC	C M	S U	PRO-VISOS	TRIBUTARY OF / TIME OF USE	R I	R A	R C
WATER RESOURCE INVENTORY AREA- 39																								
TOWNSHIP - 17 RANGE - 18 E																								
TOWNSHIP - 17 RANGE - 18 E																								
G4*00550S	01	00550		00925	01/01/932				KITT	/ /	ELLENSBURG CITY OF					WELL								
1	L1 BL61 SHOUDY 2 ADD			DOMESTIC MUNICIPAL					C	700.0 G		565.0												
G4*00693C	01	00693	00994	00816	12/29/947				KITT	06/09/949	ELLENSBURG CITY OF					WELL								
1	NE4NW4			DOMESTIC MUNICIPAL					C	700.0 G		1130.0												
G4-27814N	01				01/26/982				KITT	04/08/983	ELLENSBURG CITY OF					WELL								
1	L-2 BL-59 SANTA ANNA/E2SW4			IRRIGATION					C	110.0 G		21.6					7.0		KR	04011031				
G4-29308A	01				06/12/987				KITT	/ /	ELLENSBURG CITY OF					WELL								
1	SW4NE4			DOMESTIC MUNICIPAL					C	1500.0 G														
G4*00653S	02	00653		00573	00/00/907				KITT	/ /	NORTHERN PACIFIC R					WELL								
1	NW4NW4			RAILWAY					C	140.0 G		46.0												
G4*00687S	02	00687		00875	03/16/945				KITT	/ /	PICTSWEET FOODS IN					WELL								
1	L5 BL2 CASCADE ADD			HEAT EXCHANGE					C	100.0 G		53.33												
G4*00769S	02	00769		00844	00/00/938				KITT	/ /	KITTITAS CO DAIRYM					WELL								
1	L6 BL19 DEPOT ADD ELLENSBURG			COMMERCIAL/INDUSTRIAL					C	185.0 G		31.0												
G4-24355C	03				07/21/976				KITT	01/25/977	ELLENSBURG CITY OF					WELL								
1	SE4NE4			IRRIGATION					C	50.0 G		20.6					5.0		R	04011030				
S3+00128PBL	03	23658B			02/11/972				KITT	08/31/972	ELLENSBURG CITY OF					YAKIMA R					COL R (WALL LK)			
1	SW4SE4			DOMESTIC MUNICIPAL					C	10.0 C		1000.0										2	2	0
S4*03202CAL	03	03202A	01719A	04498A	05/10/905	T			KITT	08/14/931	USWPRS					YAKIMA R					COL R (WALL LK)			
1	SW4SE4			DOMESTIC MUNICIPAL					C	23.33 C		6000.0								$	04201015	2	2	0
G4-22768C	07				05/21/974				KITT	07/29/975	HALL WARREN					WELL								
1	SW4 SE4 SW4			DOMESTIC SINGLE					C	30.0 G 2		2.0								R				
				IRRIGATION					C	30.0 G 2		6.2					2.0		R	04010930				
S4*20162C	09	20162	15081	10236	03/27/967				KITT	02/14/968	PEDERSEN A					UNN SPR								
1	SE4 SW4			DOMESTIC SINGLE					C	.01 C		2.0												
				IRRIGATION					C	.08 C		16.0					4.0			IS				
S3+00128PAL	10	23658A			02/11/972				KITT	08/31/972	ELLENSBURG CITY OF					YAKIMA R					COL R (WALL LK)			
1	SW4NE4			DOMESTIC MUNICIPAL					C	10.0 C		1000.0										2	2	0
S4*03202CBL	10	03202B	01719B	04498B	05/10/905	T			KITT	08/14/931	USWPRS					YAKIMA R					COL R (WALL LK)			
1	W2NE4			DOMESTIC MUNICIPAL					C	23.33 C		6000.0								$	04201015	2	2	0
G3+20600C	11				11/08/972				KITT	04/24/975	SCHAAKE PACKING CO					WELL								
1	NW4NW4SW4			STOCK WATERING					C	300.0 G		118.0								R				
G4*10150C	11	10150	09171	06960	04/21/969				KITT	06/11/969	SCHAAKE PACKING CO					WELL								
1	NW4NW4SW4			COMMERCIAL/INDUSTRIAL					C	300.0 G		166.0								R				
G4-23193C	12				06/22/974				KITT	08/04/975	BULL THOMAS W					INFILTRATION TR								
1	NE4 SE4			FISH PROPAGATION					C			2.0								S				
G4-23925C	12				04/16/975				KITT	12/17/975	WA ST HIGHWAY COMM					WELL								
1	SE4SE4			IRRIGATION					C	20.0 G		10.5					3.0		R	05011031				
G4-29329C	12				07/16/987				KITT	11/16/987	R T LEATON INC					WELL								
1	SW4SW4			HEAT EXCHANGE					N	70.0 G		60.5								$RK				
G4-27898G	18				04/15/982				KITT	11/30/982	MATHISON EDWIN O					WELLS								
2	N2NE4			DOMESTIC SINGLE					C	30.0 G 2		1.0								RK				
				IRRIGATION					C	30.0 G 2		10.0					2.5		RK	04011031				
G4*03356C	25	03356	03173	01890	08/31/953				KITT	01/08/954	STANFIELD C E					WELLS								
2	S2NE4			IRRIGATION					C	480.0 G		336.0					P	84.0		AE	IS			
S4*00918C	36	00918	01219	00470	04/23/923				KITT	12/03/928	NOLL C E					WILSON CR					YAKIMA R			
1	SE4			IRRIGATION					C	.6 C							30.0			IS				

STATE OF WASHINGTON
PUBLIC WATER SUPPLY SYSTEM LISTING
HZD/SITES/TOXICS-SEA

ID NO. SYSTEM NAME / SYSTEM MAILING ADDRESS / BACTI SAMPLING SCHEDULE / POPULATION / SOURCE NO. SOURCE NAME — COUNTY / CITY, ST ZIP — CLASS — JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC — CATEGORY TYPE INTERTIE DEPTH CAPACITY TREATMENT — TWP RNG SEC

37585U KAMIAKIN WATER ASSOCIATION
13540 25TH NE
Bacti: once/12 months
Perm: 7
Source: 1 — KITTITAS / SEATTLE, WA 98125 — Class: 4
WELL PRI. 20 NONE. — 17N 16E 14R

19213N DIAMOND RING RANCH
RT 1 BOX 1040
Bacti: once/12 months
Perm: 9
Source: 1 WELL #1 — KITTITAS / ELLENSBURG, WA 98926 — Class: 4
WELL PRI. 30' 40 NONE. — 17N 17E 11R

46452R LAZY F METHODIST CAMP
RT 1, BOX 1044
Bacti: once/ 3 months (*)
Perm: 4 Transitory: 75 75 75 75 75 110 110 110 250 75 75 75
Source: 1 WELL — KITTITAS / ELLENSBURG, WA 98926 — Class: 3
WELL PRI. 115' 15 NONE. — 17N 17E 13J

87142W TAMARCK LANE WATER USERS ASSN
701 TAMARACK
Bacti: once/12 months
Perm: 21
Source: 1 WELL — KITTITAS / ELLENSBURG, WA 98926 — Class: 4
WELL PRI. 105' 25 NONE. — 17N 18E 1P

17765H DAMMAN SCHOOL
RT 1
Bacti: once/12 months
Perm: 11
Source: 1 — KITTITAS / ELLENSBURG, WA 98926 — Class: 4
WELL PRI. 70' 20 NONE. — 17N 18E 10P

02309 ANDERSON HAY & GRAIN CO
ANDERSON ROAD
Bacti: once/12 months
Perm: 0 Transitory: 12 12 12 12 12 12 12 12 12 12 12 12
Source: 1 WELL #1 — KITTITAS / ELLENSBURG, WA 98926 — Class: 4
WELL PRI. 50' 15 NONE. — 17N 18E 11O

76580A WASHINGTON BEEF
PO BOX 128
Bacti: once/12 months
Perm: 0
Source: 1 — KITTITAS / ELLENSBURG, WA 98926 — Class: 4
WELL PRI. 600' 435 NONE. — 17N 18E 11M

54775P MILLPOND MOBILE MANOR
2900 CANYON RD #18
Bacti: 1/month
Perm: 260
Source: 1 — KITTITAS / ELLENSBURG,WA. 98926 — Class: 1
WELL PRI. 150' 225 NONE. — 17N 18E 13L

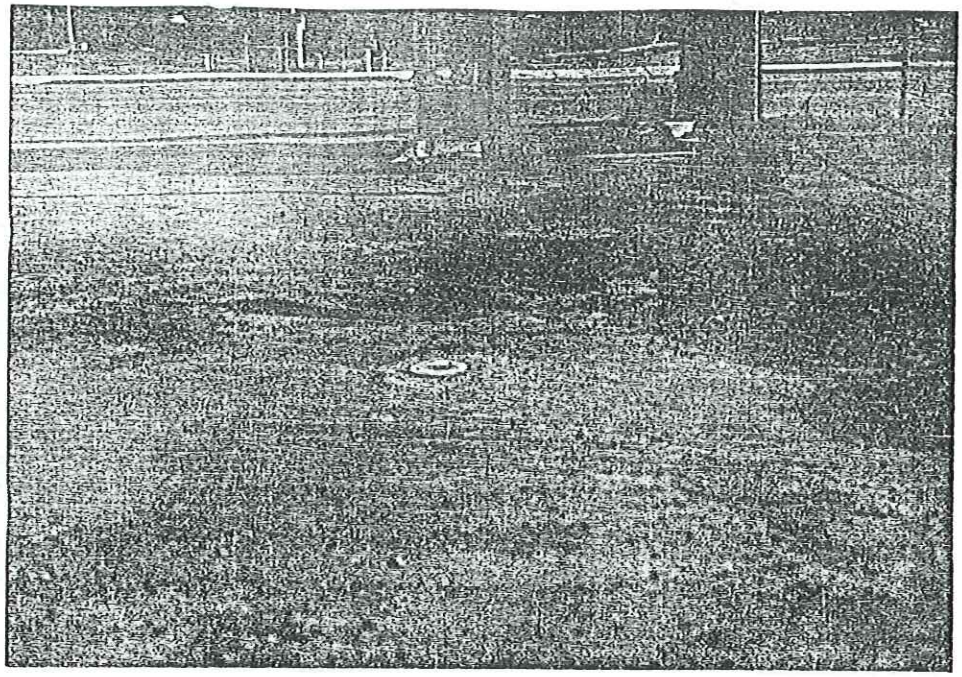
STATE OF WASHINGTON
PUBLIC WATER SUPPLY SYSTEM LISTING
HZD/SITES/TOXICS-SEA

ID NO.	SYSTEM NAME / SYSTEM MAILING ADDRESS / BACTI SAMPLING SCHEDULE / POPULATION / SOURCE NO. SOURCE NAME	COUNTY / CITY, ST ZIP / CLASS / JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC / CATEGORY TYPE INTERTIE DEPTH CAPACITY TREATMENT	TWP RNG SEC
08010R	BOWERS FIELD P O BOX 700 Bacti: once/12 months Perm: 2 Source: 1 Source: 2	KITTITAS EllENSBURG, WA 98926 Class: 4 WELl 660' 950 NONE. WELl 400' 400 NONE.	18N 18E 25 18N 18E 25
535401	MURPHY'S COUNTRY BED & BREAKFAST RT 1, BOX 400 Bacti: once/12 months Perm: 2 Transitory: 4 4 4 4 4 4 4 4 4 4 4 4 Source: 1 WELL WELl PRI. 117' NONE.	KITTITAS EllENSBURG, WA 98926 Class: 4	18N 18E 30A
22940C	ELLENSBURG KOA CAMPGROUND RT 1, BOX 252 Bacti: Perm: 1 Variable: A A A A BM Q Q Q Q A A A Transitory: 0 0 0 20 40 60 80 80 50 20 0 0 Source: 1 WELL #1 Source: 2 WELL #2 WELl PRI. 124' 75 NONE. WELl PRI. 94' 75 NONE.	KITTITAS EllENSBURG, WA 98926 Class: 3	18N 18E 33 18N 18E 33
11489A	CASCADE PACKING CO DOLARWAY ROAD Bacti: once/12 months Perm: 0 Source: 1 WELl PRI. 90' 17 NONE.	KITTITAS EllENSBURG, WA 98926 Class: 4	18N 18E 33R
86317W	SUPERIOR PACKING CO PO BOX 277 Bacti: once/ 3 months Perm: 0 Transitory: 50 50 50 50 50 50 50 50 50 50 50 50 Source: 1 WELL #1 WELl PRI. 400' 230 NONE.	KITTITAS EllENSBURG, WA 98926 Class: 3	18N 18E 33R
34881Y	HOCTOR-MCPHERSON ROUTE 3, BOX 320 Bacti: once/12 months Perm: 8 Source: 1 WELL #1 WELl PRI. 80' NONE.	KITTITAS EllENSBURG, WA 98926 Class: 4	18N 19E 9
42408W	BEGALKA/RAINIER-CENTRUM PROPERTIES PO BOX 990 Bacti: once/12 months Perm: 18 Source: 1 BEGALKA/RAINIER WELL WELl PRI. 140' 15 NONE.	KITTITAS SEATTLE, WA 98111 Class: 4	18N 19E 29M
29277A	EAST SIDE ACRES 704 W BENDER RD Bacti: once/12 months Perm: 7 Source: 1 WELL #1 WELl PRI. 80' 1,500 NONE.	KITTITAS EllENSBURG, WA 98926 Class: 4	18N 19E 31

ATTACHMENT II

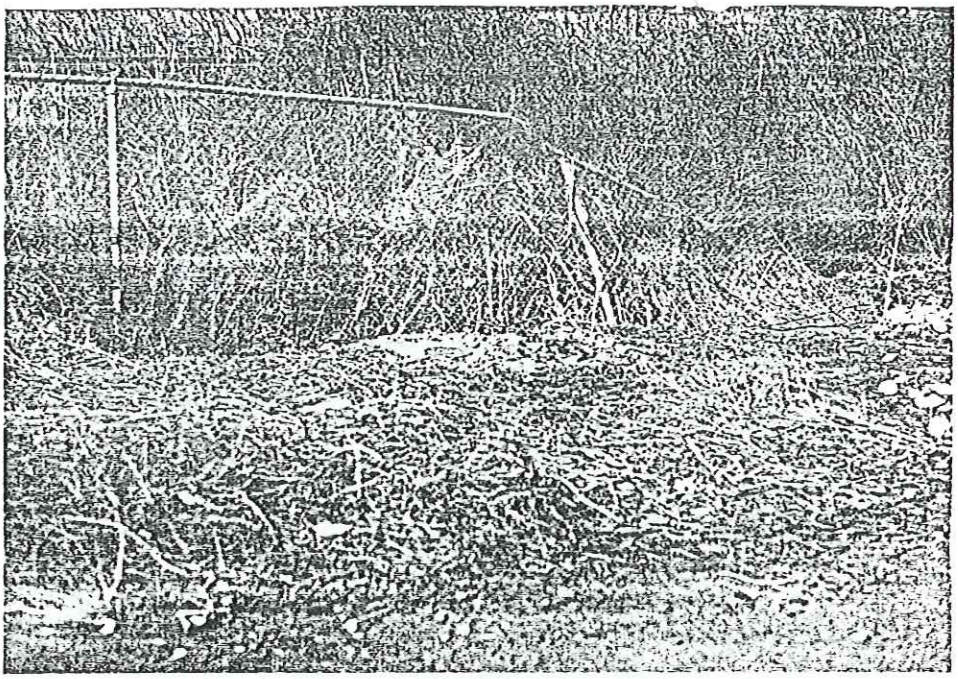
PHOTOGRAPHIC LOG

EXXON BIG "B" MINI MART

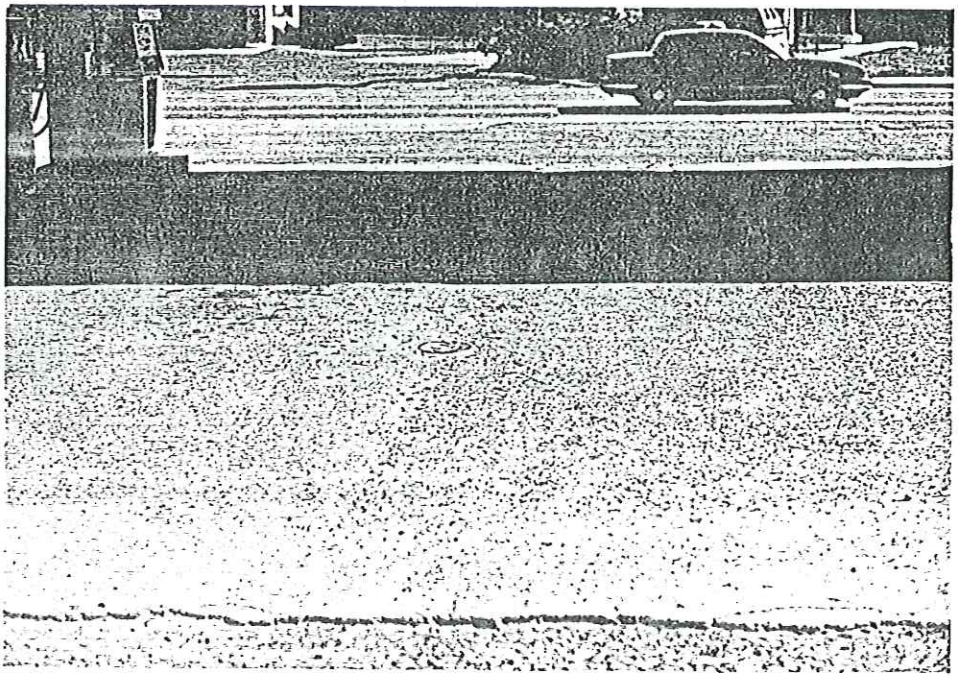


3. View of newly installed eastern monitoring well; view is to the east.

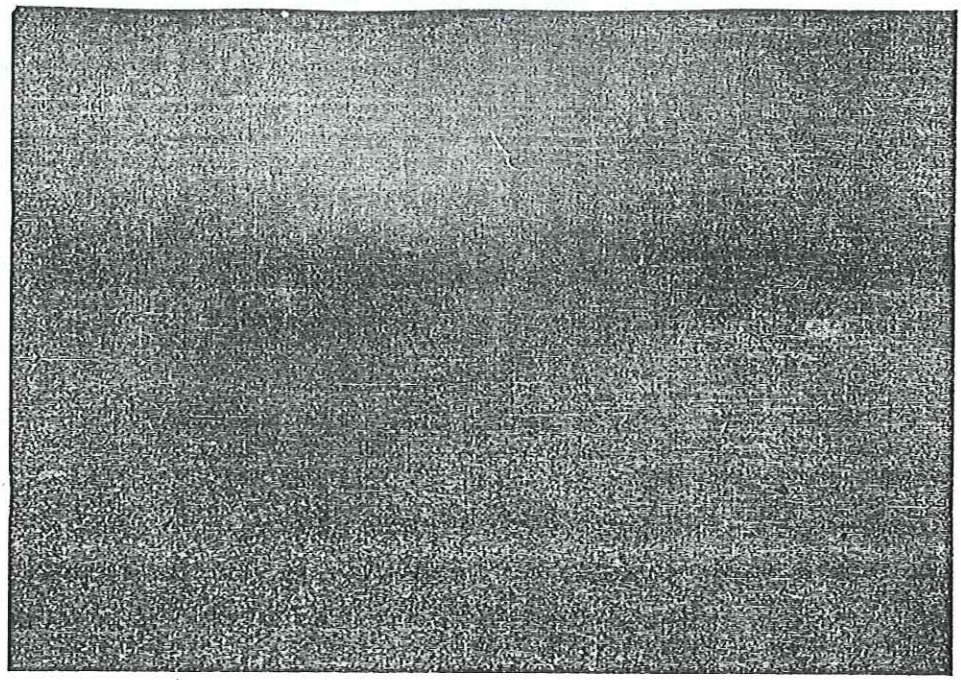
4. Exxon Big B site looking north toward where drill rig is setting up for drilling boring and setting background monitoring well (MW-6); view is to the north.



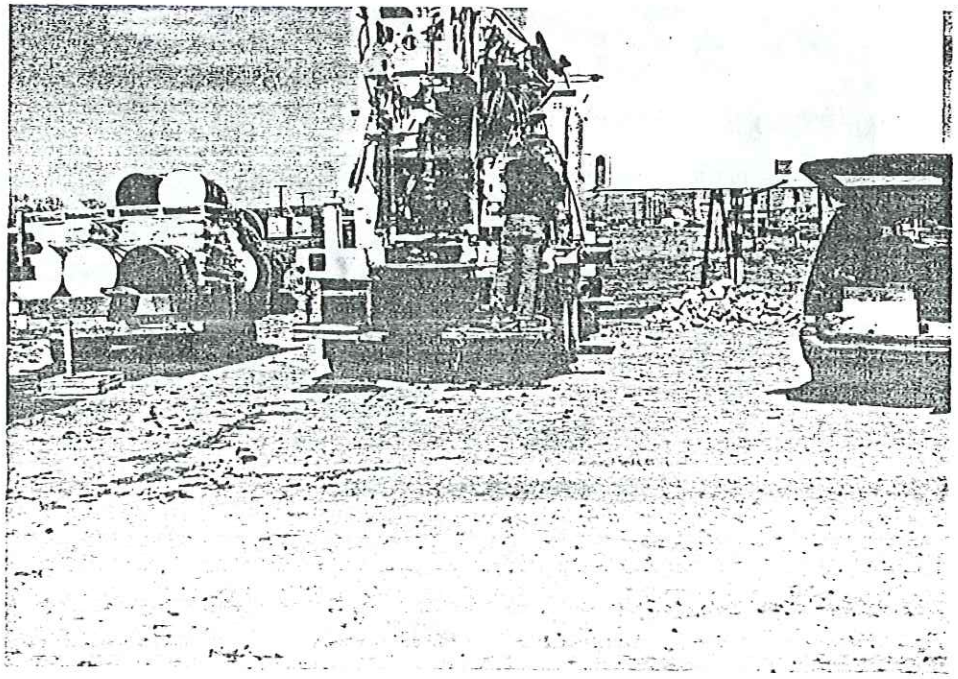
5. View of MW-3; view is to the west.



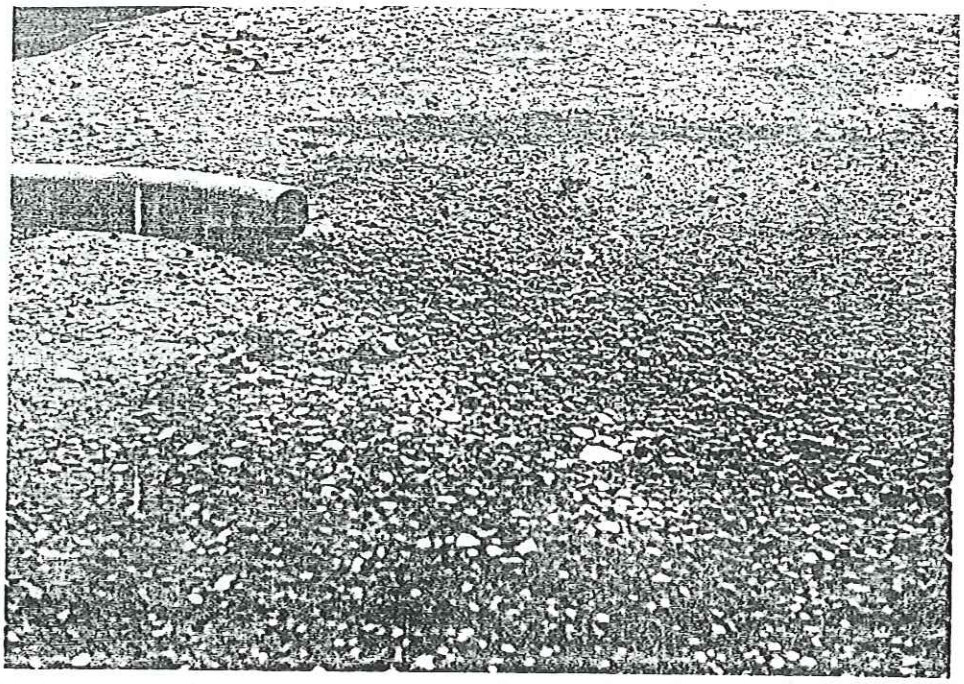
6. View of MW-2; view is to the east.



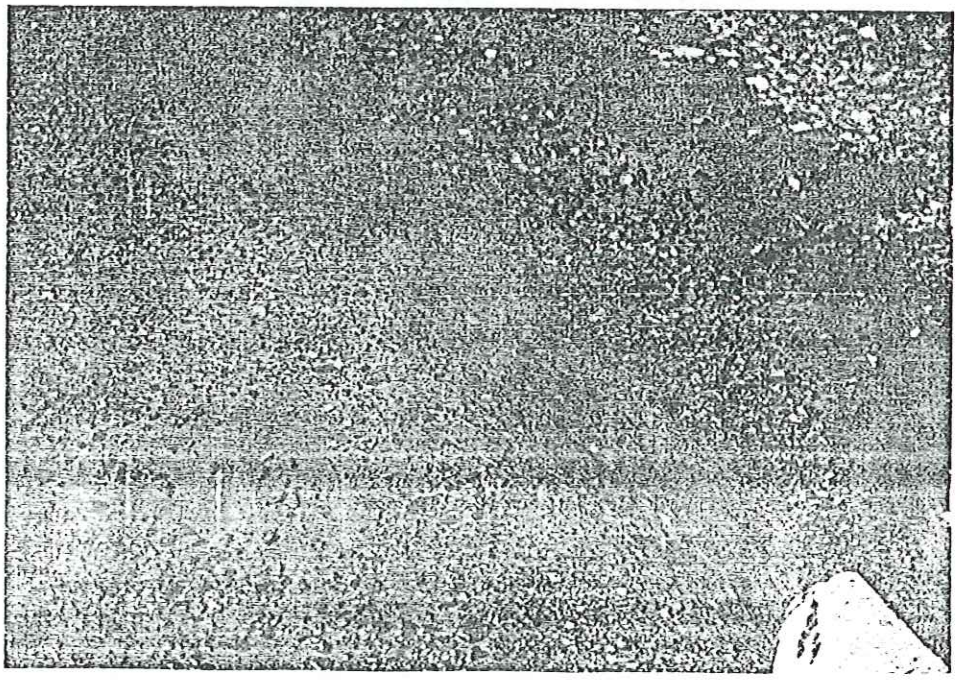
7. View of MW-1; view is to the south.



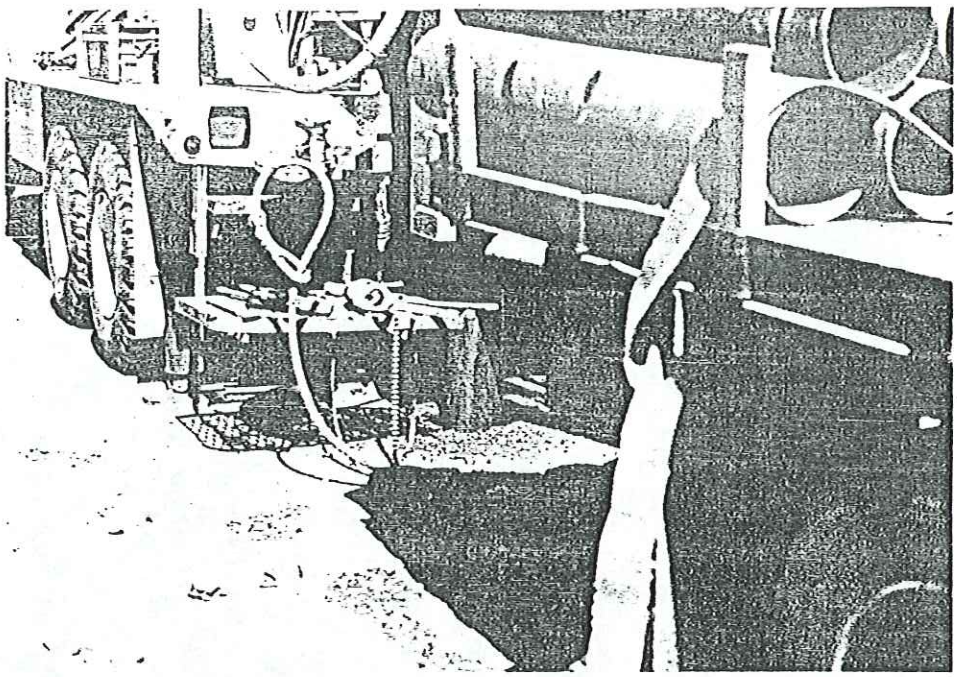
8. Setting up drill rig at location for MW-6; view is to the north.



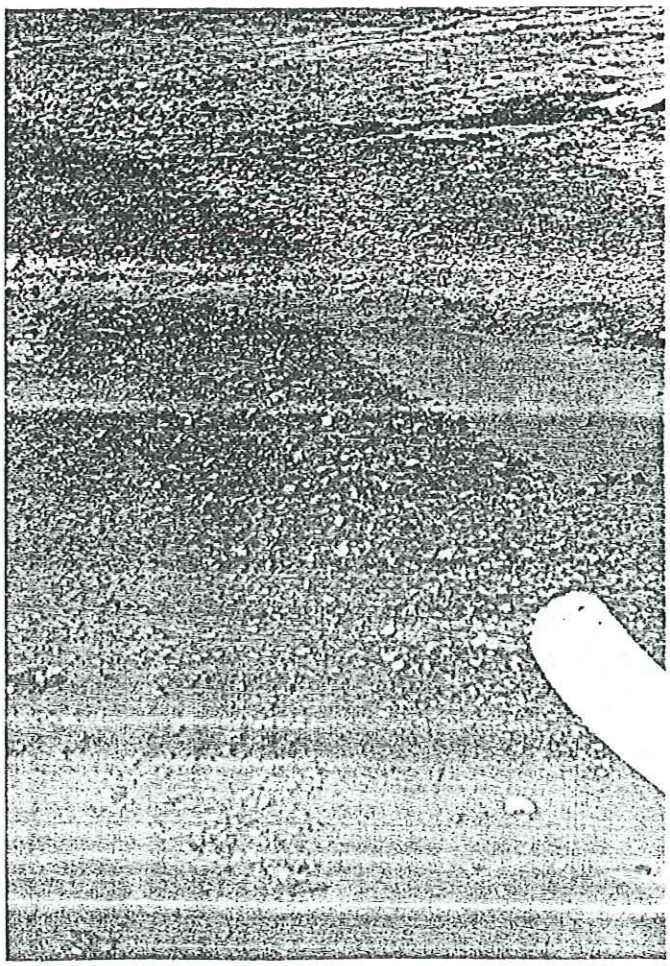
9. Cuttings from upper two feet of boring. Note gravel and pebbles.



10. Cuttings from a depth of approximately eight to nine feet; same coarse material.



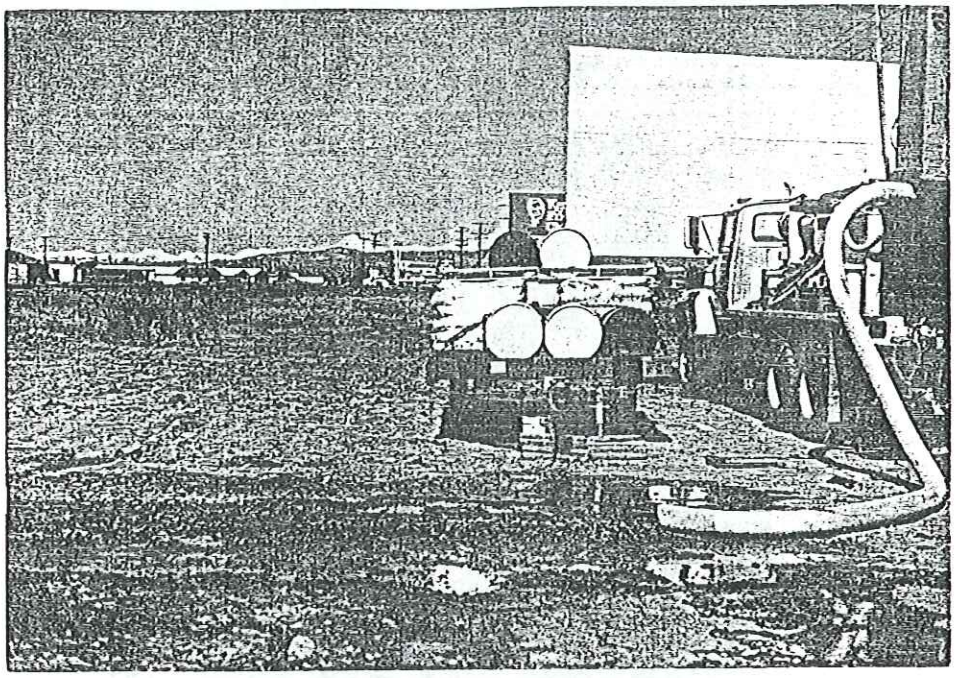
11. Water exiting from casing as drilling is progressing downward; view is to the north.



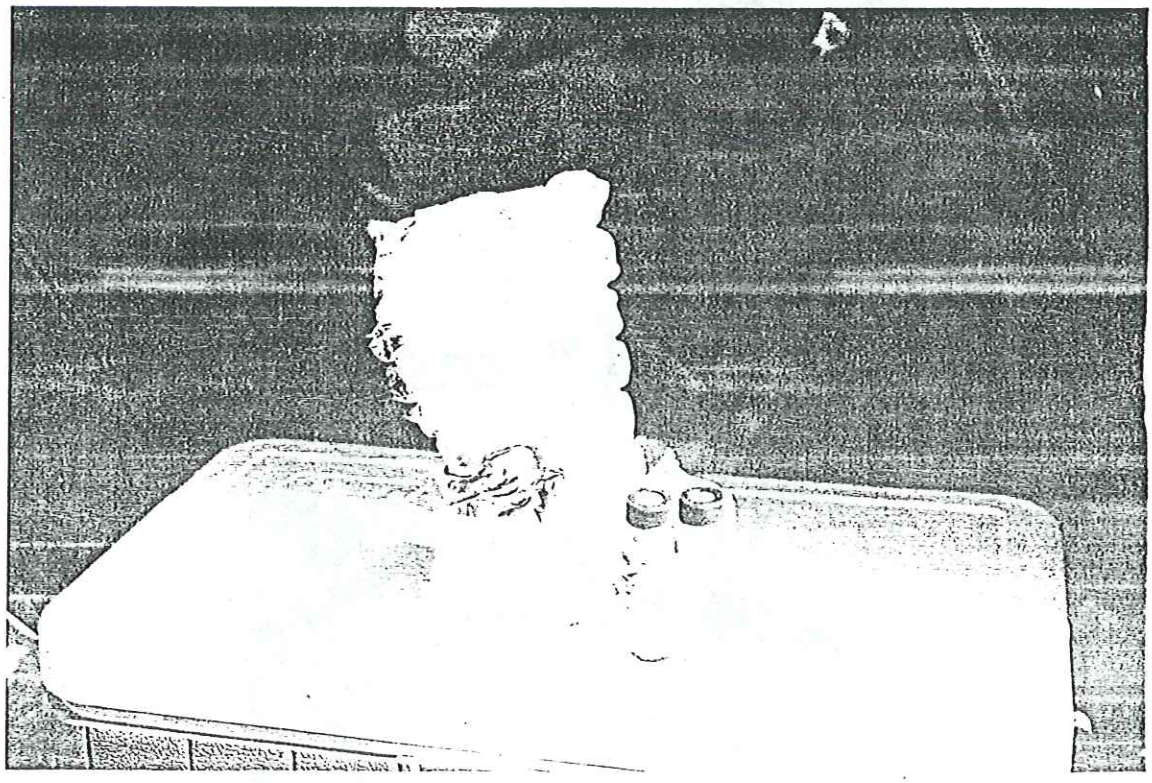
12. Picture of cuttings from a depth of nine to ten feet.

13. Cuttings from a depth of 13 - 14 feet. Material getting a great deal coarser.

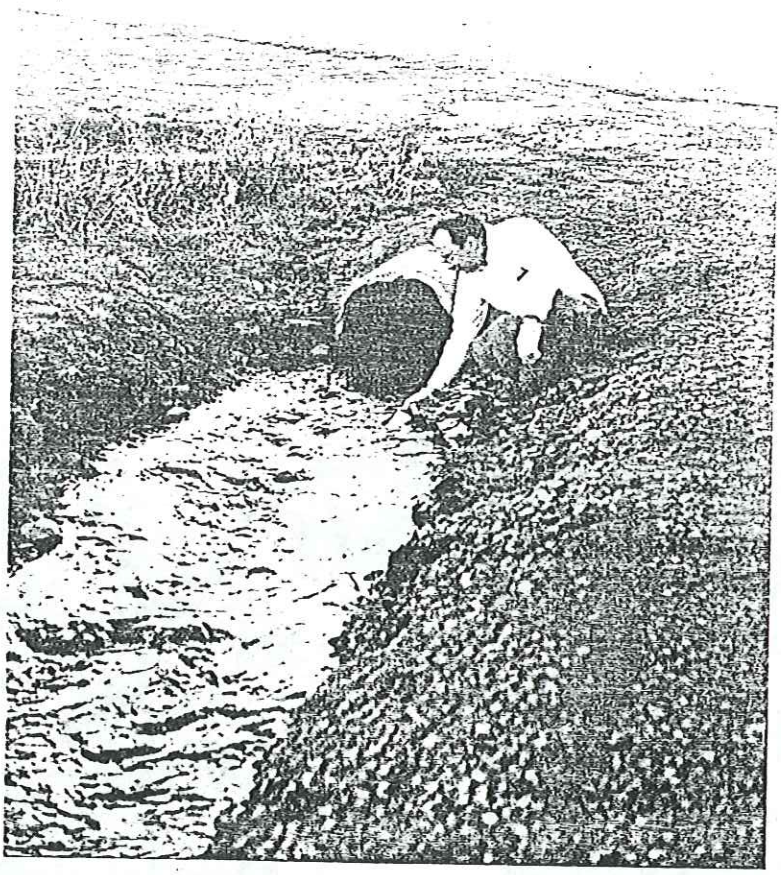
14. Picture of rig, discharge hose, and station in background; view is to the south.



15. Picture of end of discharge hose and cuttings from boring for MW-6; view is to the north.



16. Groundwater sample collected from MW-6 (background well) at Exxon Big B.



17. Collecting surface water sample from ditch south of Exxon Big B station; view is to the north.

18. Taking surface water sample for BETX in irrigation ditch north of the Exxon Big B station; view is to the north.

19. Surface water sample collected from irrigation ditch north of Exxon Big B station.

ATTACHMENT III

SOIL BORINGS / WELL LOGS

EXXON BIG "B" MINI MART

DPRA E-1500 First National Bank Bldg. 332 Minnesota Street St. Paul, Minnesota 55101 612-227-6500

LOG OF TEST BORINGS

PROJECT NAME: EXXON BIG "B" MINI MART	PROJECT NUMBER: 3751.007
LOCATION: CANYON ROAD, ELLENSBURG, WASHINGTON	
BORING NUMBER: SB-1	SURFACE ELEVATION: 99.87'

Sample No. or Time	Sample Type	Recovery (inches)	Moisture	N	PID Reading (ppm)	USCS Symbol	Depth (feet)	DESCRIPTION	Geologic Origin
								0.75 Crushed Rock	FILL
1	GRAB	-	W	-	ND	SP-SM	5	Brown, Fine- to Medium-Grained, SAND WITH SILT, GRAVEL, AND COBBLES	COARSE ALLUVIUM
2	GRAB	-	W	-	ND	GP-GW	10	Increase in GRAVEL and COBBLE Content	
							15	END OF BORING @ 14.0'	
							20		
							25		
							30		
							35		

WATER LEVEL MEASUREMENTS (feet)

Date	Time	Sampled Depth	Casing Depth	Cave-in Depth	Water Level
4/11/91			14.0'		4.8'

START 4/11/91 COMPLETION 4/11/91 @

Drilling Method AIR HAMMER

Backfill Method BENTONITE CHIPS

Field Representative R.O.H./B.A.B

INDEX

Property of DPRA

E-1500 1st Nat'l Bank

Address St. Paul, MN Bldg

55101

Telephone 612-227-6500

This Book is manufactured of a High Grade 50% Rag Paper having a Water Resisting Surface, and is sewed with Nylon Waterproof Thread.

Exxon Big B

Ellensburg, WA

Exxon Big B
Ellensburg.

4/11/91 arrived on site
9:22 am

1-23 Exxon Big B
South

1-24 new mw well installed
by owner couple of
weeks ago
West

1-25 other new mw ~~well~~
East

1-26 Big B site North

1-27 1 of the 3 old mw's
West

1-28 another 1 of the 3 old mw's
East

B Blackburn 4/11/91

(1)

Exxon Big B
Ellensburg

4/11/91 arrived on site
9:22 am

1-23 Exxon Big B South

1-24 new mw well installed by owner couple of weeks ago West

1-25 other new mw ~~well~~ East

1-26 Big B site North

1-27 1 of the 3 old mw's West

1-28 another 1 of the 3 old mw's East

B Blackburn 4/11/91

(2)

1-29 another 1 of 3 old mw's North

1-30 location of MW-6 North

we were informed by owner (sing(?)) that he had installed 2 mw's a couple weeks ago (in addition to the 3 existing mw's)

Drillers arrived on site 9:45 am - diconl'd

Set up for MW-6 11:30 AM

12:00 started drilling - will not catch cuttings unless an odor is detected. - cuttings are gravels & cobbles - mostly fill for parking area

(3)

12:07 - 4-5' - gravel + pebbles and cobbles - rock chips are dk black - trace of silt rock appears to be basalt - still relatively dry - to moist

12:13 - water started appearing in the cuttings @ approximately 7 to 8 feet - all pebbles and cobbles - nothing there - no odor - no screen sample

1-31 cuttings from depth at approximately 8-9 feet.

1-32 - picture of cuttings and water being produced due to drilling

1-33 picture of water coming out at casing

[illegible] -11-91

1-34 - picture of cuttings -

12:30 drilled to fifteen feet - pulling drill stem and drill - take water level when it stabilizes.

1-35 - picture of cuttings

1-36 picture of rig and station lay out

1-37 picture of rig

12:40 - water level @ 4.81 ft. - set bottom @ 14.0' -

13.00 finished steam cleaning well materials - put in casing -

13:20 finished with first level of filter pack - pulling up on casing.

[illegible signature] 4-11-91

2-1 picture pouring filter pack into casing -

13:30 well installed (sand to 2.5' pellets to 1.2')

broke for [illegible]

[illegible]

broke rig down first [illegible]

1:50 [illegible] left site for meeting w/ Dept [illegible] Yakima -

Well Construction Details

Base of well @ 13.0'

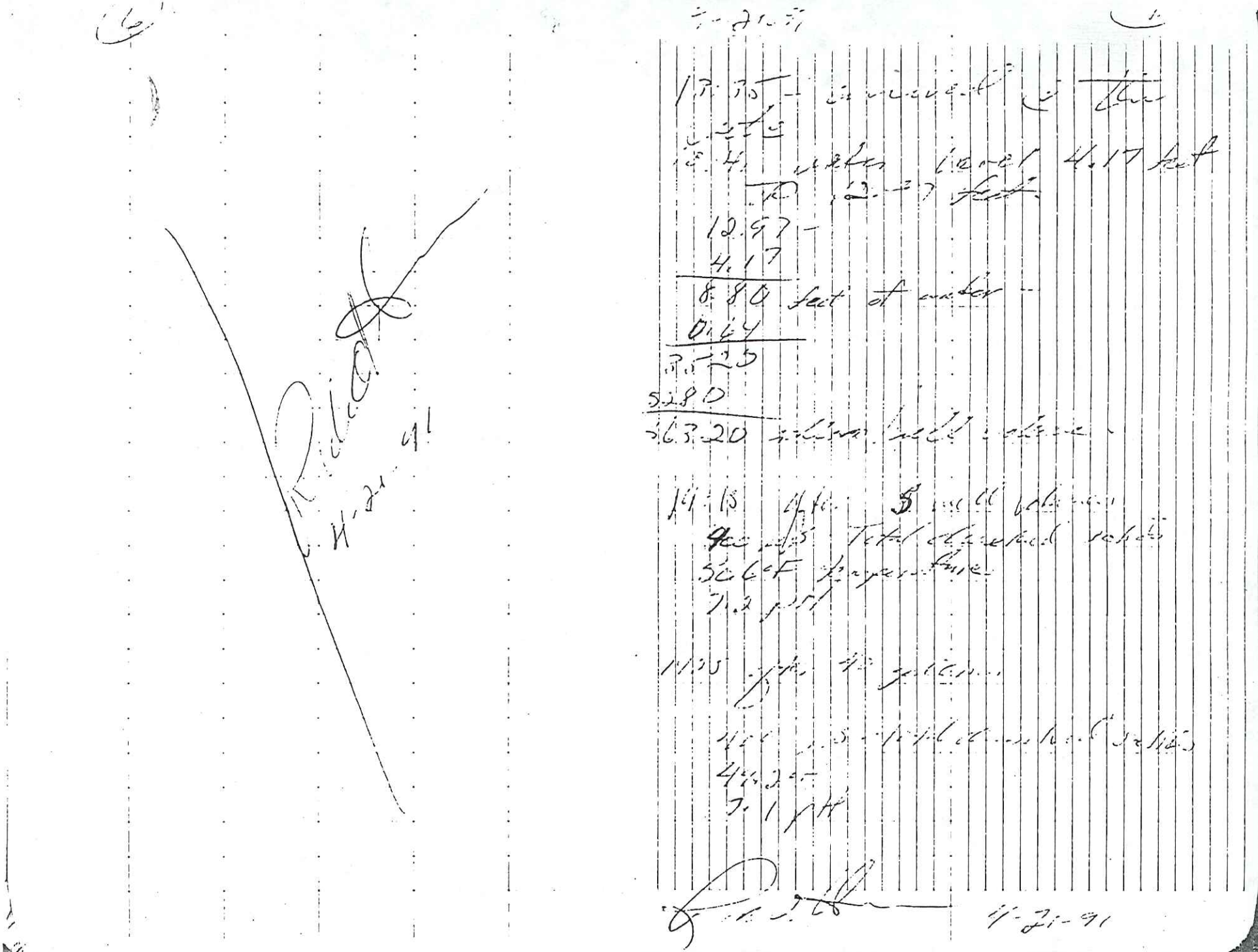
top of screen to [illegible]

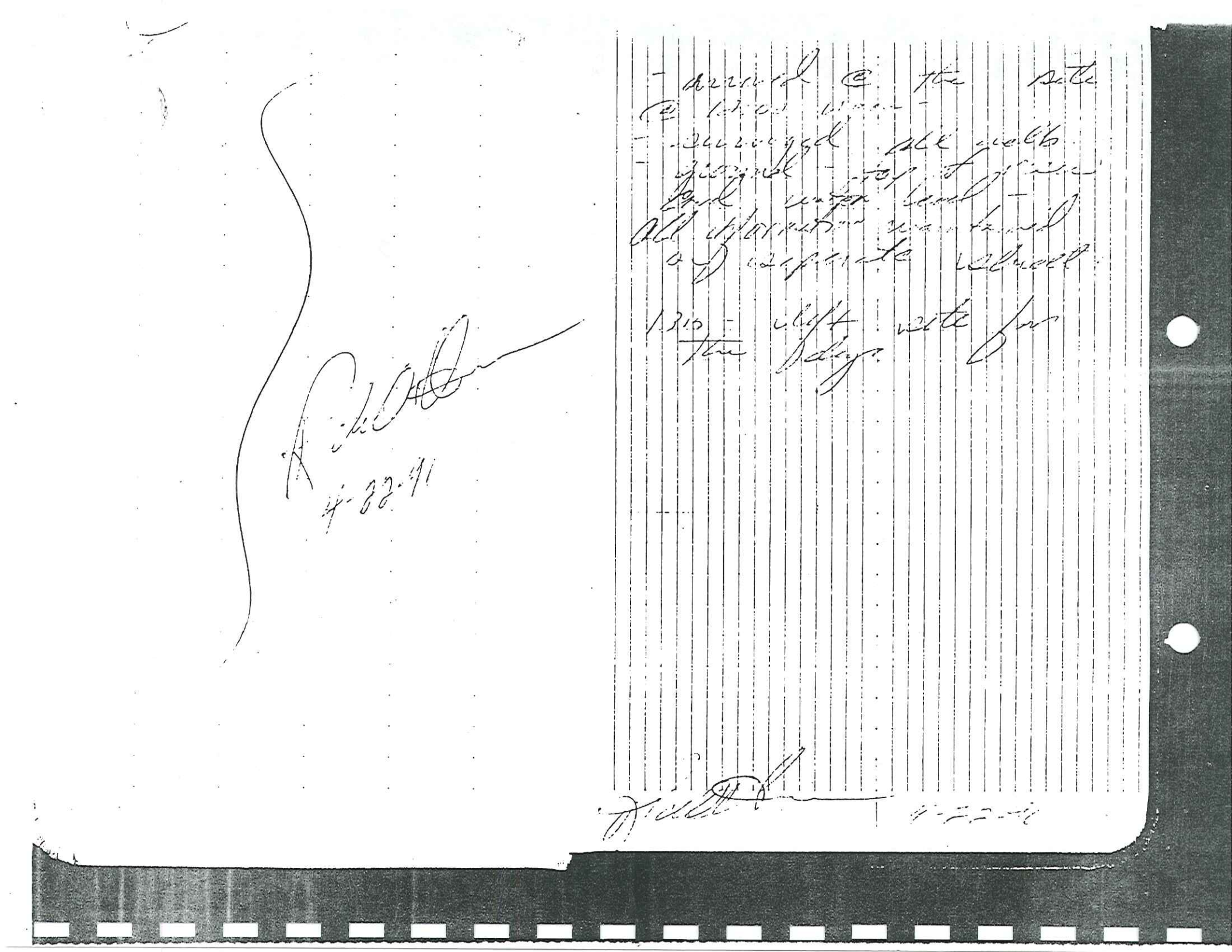
gravel pack to 2.5'

seal (bentonite) to 1.5'

Cement to surface -

[illegible signature] 4-11-91





ATTACHMENT V

NEARBY WELL LOGS

EXXON BIG "B" MINI MART

2922

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

Start Card No. 080756

Water Right Permit No. _____

(1) OWNER: Name Jack Bull Address 2002 Bull Rd., Ellensburg

(2) LOCATION OF WELL: County Kittitas W½ ¼ NE ¼ Sec. 12 T. 17 N., R. 18 W

(2a) STREET ADDDRESS OF WELL (or nearest address) 2002 Bull Rd., Ellensburg

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [ ] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 80 feet. Depth of completed well 80 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from +1 ft. to 68 ft.
Welded [X] _____ " Diam. from _____ ft. to _____ ft.
Liner installed [ ] _____ " Diam. from _____ ft. to _____ ft.
Threaded [ ]

Perforations: Yes [ ] No [X]
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 [X]
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 9 ft. below top of well Date 4-12-90
Artesian pressure _____ lbs. 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
Was a pump test made? Yes [ ] No [X] If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest 25 gal./min. with stem set at 80 ft. for 1 hrs.
Artesian flow _____ g.p.m. Date 4-12-90
Temperature of water 58 Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and s thickness of aquifers and the kind and nature of the material in each stratum penetra with at least one entry for each change of information.

MATERIAL	FROM	TO
Topsoil	0	12
Gravel & Silt & Br. Clay & Water	12	15
Large & Small Gravel & Sand & Br. Clay & Water	15	38
Gravel & Br. Clay	38	58
Br. Clay & Gravel & Sand & Water	58	80

RECEIVED
APR 25
DEPARTMENT OF ECOLOGY
CENTRAL REGIONAL OFFICE

Work started 4-11-90 19. Completed 4-12-90 19.

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standar Materials used and the information reported above are true to my b knowledge and belief.

NAME Water Wells DRilling INC.
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 5503 Ahtanum Rd., Yakima 98903

(Signed) Jerry L. Rork License No. 1435
(WELL DRILLER)

Contractor's Registration No. WATER WD112QB Date 4-17-90 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10.87) -1329-

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

Husky

WATER WELL REPORT
STATE OF WASHINGTON

Application No. ....
Permit No. N

(1) OWNER: Name R. T. Leaton Inc. Address 2202 Canyon Road

(2) LOCATION OF WELL: County Kittitas — SW ¼ SW ¼ Sec. 12 T. 17 N., R. 18 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☒ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8" inches.
Drilled .... ft. Depth of completed well 200 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8" Diam. from +4 ft. to 162 ft.
Threaded ☐ ....." 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 ☒
Manufacturer's Name ....
Type .... Model No. ....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite Port Cement
Did any strata contain unusable water? Yes ☒ No ☐
Type of water? Surface Depth of strata 6-18
Method of sealing strata off ....

(7) PUMP: Manufacturer's Name ....
Type: .... H.P. ....

(8) WATER LEVELS: Land-surface elevation above mean sea level.... +3 ft.
Static level +1 ft. below top of well Date ....
Artesian pressure ..... lbs. per square inch Date ....
Artesian water is controlled by Cap (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? ....
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ....
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date ....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Cobbles & Dirt	0	18
gravel cemented	18	120
interbed Clay &		
Fractured basalt	120	160
Sandstone heavy		
Water	160	200

RECEIVED
[illegible] 10 1987
DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

Work started 8-4, 19 87. Completed 8-7, 19 87

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 Bach Drilling Co. (Person, firm, or corporation) (Type or print)

Address Rt 5 Box 1010

[Signed] Mike [illegible] (Well Driller)

License No. 0844 Date 8-7, 19 8

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

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. N

(1) OWNER: Name..... Address.....

(2) LOCATION OF WELL: County R. T. LEATON INC. — SW¼ SW¼ Sec. 12 T. 17 N., R. 18 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one).....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled.....ft. Depth of completed well 280' ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 43 ft. to 157 ft.
Threaded ☐ ..." 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 ☒
Manufacturer's Name.....
Type..... Model No.....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ 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.....
Type: ... H.P.....

(8) WATER LEVELS: Land-surface elevation above mean sea level.... ...ft.
Static level +1 ft. below top of well Date.....
Artesian pressure ...lbs. per square inch Date.....
Artesian water is controlled by Cap (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?.....
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test.....gal./min. with.....ft. drawdown after.....hrs.
Artesian flow.....g.p.m. Date.....
Temperature of water..... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Cobbles clay & dirt	0	18
gravel cemented	18	120
Inter bed Like Basalt	120	160
fractured		
Sand stone hard		
water	160	200

RECEIVED
SEP 10 1987
DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

Work started 8-4 19 87 Completed 8-7 19 87

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 Bacl Drilling
(Person, firm, or corporation) (Type or print)

Address Rt 5 Box 1010

[Signed] .....
(Well Driller)

License No. 0846 Date 8-7 19 87

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

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. 4

Permit No. ....

(1) OWNER: Name Merle Schmith Address Rt. 2, Box 66

(2) LOCATION OF WELL: County Kittitas — SW ¼ NW ¼ Sec. 13 T. 17 N., R. 18 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☑ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 160 ft. Depth of completed well 150 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 140 ft.
Threaded ☐ " 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 ☑
Manufacturer's Name
Type Model No
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☑ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 25 ft.
Material used in seal BENTONITE
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 .... ft.
Static level 20 ft. below top of well Date
Artesian pressure lbs. 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
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 15 gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Cobbles	0	35
CEMENT gravel - sand	35	135
CEMENTED clay gravel	135	140
SANDSTONE - gravel	140	160
WATER		

RECEIVED
MAY 21 1987
DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

Work started 4-28 19 87 Completed 4-30 19 87

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 Bach Drilling Co.
(Person, firm, or corporation) (Type or print)

Address Rt. 5, Box 1010, Ellensburg

[Signed] Mike Bach
(Well Driller)

License No. 22 Date 5-5 19 87

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

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.

(1) OWNER: Name L. C. BAKEMAN Address 700 S MAIN ELLENSBURG WA 988

(2) LOCATION OF WELL: County KITTITAS NE¼ - SE¼ ¼ SW¼ ¼ Sec. 13 T. 17 N., R. 18 W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 39 ft. Depth of completed well 39 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 33 ft.
Threaded ☐ " 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 ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
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.... ft.
Static level 7 ft. below top of well Date 2/3/78
Artesian pressure lbs. 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
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 2/3-78
Bailer test 6 gal./min. with ALL ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
SOIL, BLACK	0	1
GRAVEL, BLK, FINE AND MED	1	4
GRAVEL, BLK, FINE W/BLK SAND W.B.	4	16
GRAVEL, BRN, FINE W/BRN SAND W.B.	16	22
CLAY, BRN, W/BRN SAND	22	33
CLAY, BRN, W/SAND & GRAVEL W.B.	33	39

Work started 2/3 , 1978. Completed 2/3 , 19

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 B & B WELL DRILLING (Person, firm, or corporation) (Type or print)

Address RT 7, BOX 600A YAKIMA WA 98901

[Signed] C. Cain (Well Driller)

License No. 0700 Date 3 Feb , 1978

OR

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

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. L
Permit No. ....

(1) OWNER: Name Rebecca Smith Address P.O. Box 1675

LOCATION OF WELL: County Kittitas NE¼ NE¼ SW¼ Sec. 14 T. 17 N., R. 18 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 75 ft. Depth of completed well 75 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from +2 ft. to 73 ft.
Threaded ☐ " 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 ☒
Manufacturer's Name
Type Model No
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Cement & Bentonite
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.... ft.
Static level 20 ft. below top of well Date 6/25
Artesian pressure lbs. 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
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 15 gal./min. with 20 ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Rock & Dirt	0	9
SANDY GRAVEL	9	24
SANDY TAN CLAY	24	50
SANDY GRAY CLAY	50	62
SAND AND GRAVEL	62	75
Aquafer	75	

RECEIVED
OCT - 3 1986
DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

Work started 6/4, 19 86 Completed 6/26, 19 86

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 BEGALKA WELL DRILLING
(Person, firm, or corporation) (Type or print)

Address RT 5 BX 1055

[Signed] Lowell Begalka
(Well Driller)

License No. 0019 Date 6/26, 19 86

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

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. G320600 1

(1) **OWNER:** Name ..... Address .....

(2) **LOCATION OF WELL:** County ..... NW - NW ¼ Sec ¼ Sec 11 T. 17 N., R. 18 E. W.M.

ing and distance from section or subdivision corner 340 ft E and 50 ft South from the W¼ cor.

PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well ..... inches.
Drilled ..... ft. Depth of completed well ..... ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ....." Diam. from ..... ft. to ..... ft.
Threaded ☐ ....." 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 ☐
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☐ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☐ No ☐ To what depth? ..... ft.
Material used in seal .....
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level ..... ft. below top of well Date .....
Artesian pressure ..... lbs. 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
Was a pump test made? Yes ☐ No ☐ If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

...te of test .....
... test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO

RECEIVED
MAY 23 1975
DEPARTMENT OF ECOLOGY
CENTRAL REGIONAL OFFICE

Work started ..... 19 ..... Completed ..... 19 .....

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 ..... (Person, firm, or corporation) (Type or print)
Address .....
[Signed] ..... (Well Driller)
License No. ..... Date ..... 19 .....

(USE ADDITIONAL SHEETS IF NECESSARY)

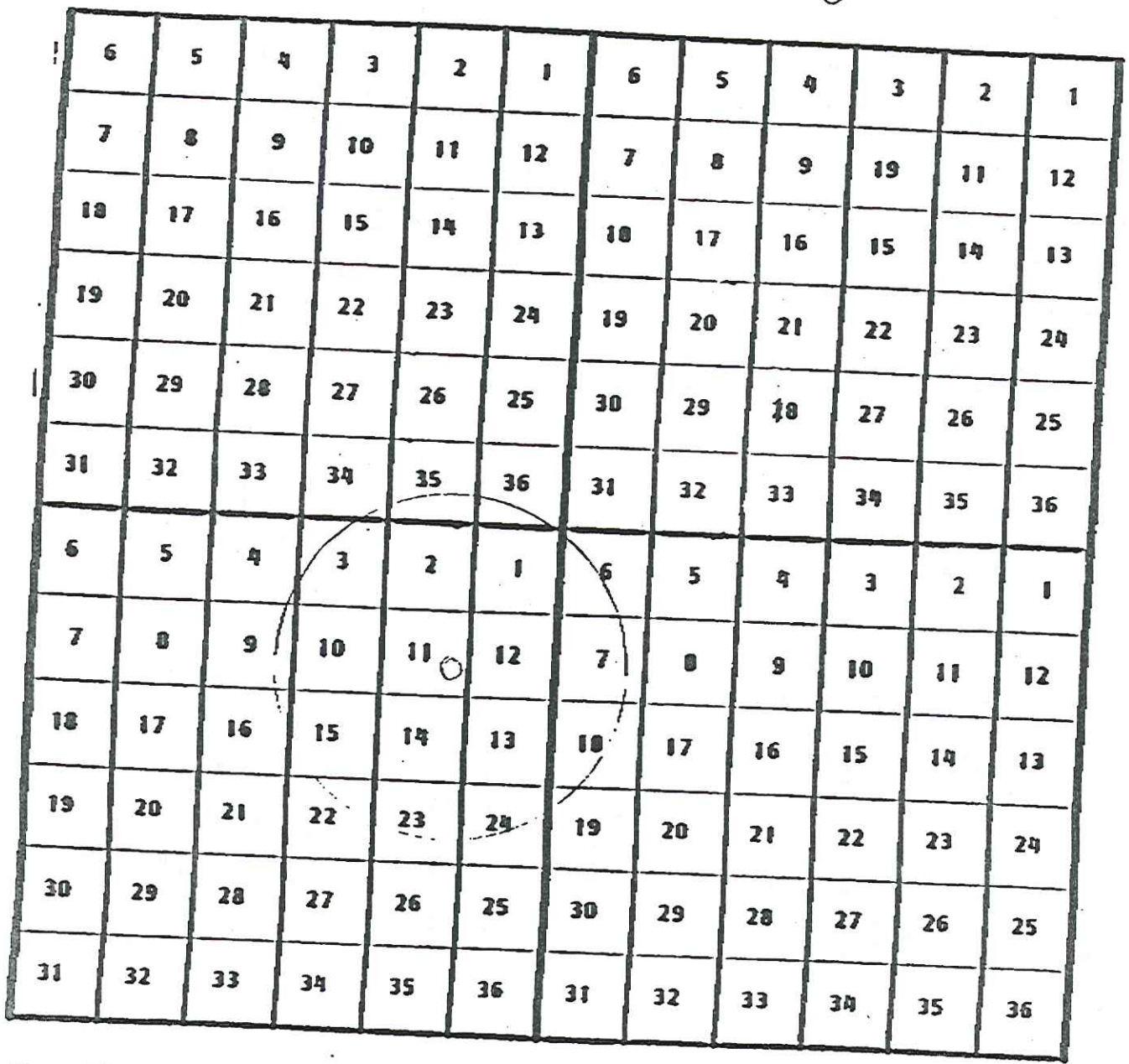
No. 7356—OS—(Rev. 4-71).

Exxon by Bechtel
1611 Canyon Road
Ellensburg WA

R 18 E (W) R 19 E (W)

T 18 N

T 17 N



Township, Range, and Section Di[illegible]

2922

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

Start Card No. 080756

Water Right Permit No. _____

(1) OWNER: Name Jack Bull Address 2002 Bull Rd., Ellensburg

(2) LOCATION OF WELL: County Kittitas W½ ¼ NE ¼ Sec 12 T. 17 N., R. 18 W.

(2a) STREET ADDDRESS OF WELL (or nearest address) 2002 Bull Rd., Ellensburg

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [ ] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 80 feet. Depth of completed well 80 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from +1 ft. to 68 ft.
Welded [X] Liner installed [ ] Threaded [ ] " Diam. from _____ ft. to _____ ft.
" Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
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 [X]
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 9 ft. below top of well Date 4-12-90
Artesian pressure _____ lbs. 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
Was a pump test made? Yes [ ] No [X] If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest 25 gal./min. with stem set at 80 ft. for 1 hrs.
Artesian flow _____ g.p.m. Date 4-12-90
Temperature of water 58 Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and sh thickness of aquifers and the kind and nature of the material in each stratum penetrat with at least one entry for each change of information.

MATERIAL	FROM	TO
Topsoil	0	12
Gravel & Silt & Br. Clay & Water	12	15
Large & Small Gravel & Sand & Br. Clay & Water	15	38
Gravel & Br. Clay	38	58
Br. Clay & Gravel & Sand & Water	58	80

RECEIVED
APR 25
DEPARTMENT OF ECOLOGY
CENTRAL REGIONAL OFFICE

Work started 4-11-90 19. Completed 4-12-90 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standard Materials used and the information reported above are true to my be knowledge and belief.

NAME Water Wells DRilling INC.
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 5503 Ahtanum Rd., Yakima 98903

(Signed) Terry L. Rook (WELL DRILLER) License No. 1435

Contractor's Registration No. WATER WD112QB Date 4-17-90 19

(USE ADDITIONAL SHEETS IF NECESSARY)

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

Kittitas

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .... N

(1) OWNER: Name R. T. LEATON INC. Address 2202 CANYON Road

(2) LOCATION OF WELL: County Kittitas — SW ¼ SW ¼ Sec. 12 T. 17 N., R. 18 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8" inches.
Drilled ..... ft. Depth of completed well 200 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8 " Diam. from +4 ft. to 162 ft.
Threaded ☐ ..... " 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 ☒
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite Portland Cement
Did any strata contain unusable water? Yes ☒ No ☐
Type of water? Sandstone Depth of strata 0 - 18
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... +3 ft.
Static level +1 ft. below top of well Date .....
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by Cap (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Cobbles & Dirt	0	18
gravel cemented	18	120
Inter bed Clay & Fractured basalt	120	160
Sandstone heavy Water	160	200

RECEIVED
SEP 10 1987
DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

Work started 8-4 19 87 Completed 8-7 19 87

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 1015
[Signed] Mike Back (Well Driller)
License No. 0846 Date 8-7, 19 87

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 3

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. .... N

(1) OWNER: Name..... Address.....

(2) LOCATION OF WELL: County R. T. LEATON INC. — SW¼ SW¼ Sec. 12 T. 17 N., R. 18 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one).....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled.....ft. Depth of completed well 200' ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from +3 ft. to 157 ft.
Threaded ☐ ..." 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 ☒
Manufacturer's Name.....
Type..... Model No.....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ 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.....
Type: ..... H.P.....

(8) WATER LEVELS: Land-surface elevation above mean sea level.... .....ft.
Static level +1 ft. below top of well Date.....
Artesian pressure .....lbs. per square inch Date.....
Artesian water is controlled by Cap (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?.....
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test.....gal./min. with.....ft. drawdown after.....hrs.
Artesian flow.....g.p.m. Date.....
Temperature of water..... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formatio

MATERIAL	FROM	TO
Cobbles clay & dirt	0	18
gravel cemented	18	120
Inter bed Like Basalt fractured	120	140
Sand stone hard water	140	200

RECEIVED
SEP 10 1987
DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

Work started 8-4 19 87 Completed 8-7 19 8

WELL DRILLER'S STATEMENT:

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

NAME Buck Drilling (Person, firm, or corporation) (Type or print)
Address Rt 5 Box 1010
[Signed] (Well Driller)
License No. 0846 Date 8-7 19 8

(USE ADDITIONAL SHEETS IF NECESSARY)

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. [illegible]

Permit No. ....

(1) OWNER: Name Merle Schmith Address Rt. 2, Box 66

(2) LOCATION OF WELL: County Kittitas — SW ¼ N ¼ Sec. 13 T. 17 N., R. 18 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)....
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☑ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 160 ft. Depth of completed well 150 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 140 ft.
Threaded ☐ " 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 ☑
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☑ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 25 ft.
Material used in seal Bentonite
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.... ft.
Static level 20 ft. below top of well Date
Artesian pressure lbs. 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
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 15 gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Cobbles	0	35
CEMENT gravel - sand	35	135
cemented clay gravel	135	140
SANDSTONE - gravel WATER	140	160

RECEIVED
MAY 21 1987
DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

Work started 4-28 19 87 Completed 4-30 19 87

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 Bach Drilling Co.
(Person, firm, or corporation) (Type or print)

Address Rt. 5, Box 1010, Ellensburg

[Signed] Mike Bach
(Well Driller)

License No. 22 Date 5-5 19 87

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

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. ...

(1) OWNER: Name L.C. BAKEMAN Address 700 S MAIN ELLENSBURG WA 988..

(2) LOCATION OF WELL: County KITTITAS NE¼ – SE¼ ¼ SW¼ ¼ Sec. 13 T. 17 N., R. 18 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 39 ft. Depth of completed well 39 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 33 ft.
Threaded ☐ ...." 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 ☒
Manufacturer's Name....
Type.... Model No....
Diam. .... Slot size .... from .... ft. to .... ft.
Diam. .... Slot size .... from .... ft. to .... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ....
Gravel placed from .... ft. to .... ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
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.... ft.
Static level 7 ft. below top of well Date 2/3/78
Artesian pressure .... lbs. 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
Was a pump test made? Yes ☐ No ☒ If yes, by whom?....
Yield: .... gal./min. with .... ft. drawdown after .... hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 2/3-78
Bailer test 6 gal./min. with ALL ft. drawdown after 1 hrs.
Artesian flow.... g.p.m. Date....
Temperature of water.... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
SOIL, BLACK	0	1
GRAVEL, BLK, FINE AND MED	1	4
GRAVEL, BLK, FINE w/BLK SAND W.B.	4	16
GRAVEL, BLK, FINE w/BRN SAND W.B.	16	22
CLAY, BRN, w/BRN SAND	22	33
CLAY, BRN, w/SAND & GRAVEL W.B.	33	39

Work started 2/3, 1978. Completed 2/3, 197..

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 B & B WELL DRILLING (Person, firm, or corporation) (Type or print)

Address RT 7, BOX 600K, YAKIMA WA 9890..

[Signed] C. Cain (Well Driller)

License No. 0700 Date 3 Feb, 1978

CR

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

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. L
Permit No. ....

(1) OWNER: Name Rebecca Smith Address P.O. Box 675

LOCATION OF WELL: County Kittitas NE¼ - NE¼ SW¼ Sec. 14 T. 17 N., R. 18 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 75 ft. Depth of completed well 75 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from +2 ft. to 73 ft.
Threaded ☐ ..... " 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 ☒
Manufacturer's Name.....
Type..... Model No.....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Cement & Bentonite
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.... ..... ft.
Static level 20 ft. below top of well Date 6/25
Artesian pressure ..... lbs. 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
Was a pump test made? Yes ☐ No ☒ If yes, by whom?.....
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 15 gal./min. with 20 ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date.....
Temperature of water..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Rock & Dirt	0	9
Sandy Gravel	9	24
Sandy Tan Clay	24	50
Sandy Gray Clay	50	62
Sand and Gravel	62	75
Aquafer	75	

RECEIVED
OCT - 3 1986
DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

Work started 6/4, 1986 Completed 6/26, 1986

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 Begalka Well Drilling
(Person, firm, or corporation) (Type or print)

Address Rt 5 Bx 1055

[Signed] Lowell Begalka
(Well Driller)

License No. 0019 Date 6/26, 1986

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 3

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

(1) OWNER: Name [illegible] Address

(2) LOCATION OF WELL: County [illegible]
Giving and distance from section or subdivision corner [illegible]

(3) PROPOSED USE: Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) [illegible]
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS:
Drilled [illegible] ft. Depth of completed well [illegible] ft.

(6) CONSTRUCTION DETAILS:
Casing installed: [illegible] Diam. from [illegible] ft. to [illegible] ft.
Threaded ☐ Diam. from [illegible] ft. to [illegible] ft.
Welded ☒ Diam. from [illegible] ft. to [illegible] ft.

Perforations: Yes ☒ No ☐
Type of perforator used [illegible]
SIZE of perforations [illegible] in. by [illegible] in.
[illegible] perforations
[illegible] perforations from [illegible] ft. to [illegible] ft.
[illegible] perforations from [illegible] ft. to [illegible] ft.

Screens: Yes ☐ No ☒
Manufacturer's Name [illegible]
Type [illegible] Model [illegible]
Diam. [illegible] Slot [illegible]

Gravel packed: Yes ☐ No ☒ Size of gravel [illegible]
Gravel placed from [illegible] ft. to [illegible] ft.

Surface seal: Yes ☒ No ☐ To what depth? [illegible] ft.
Material used in seal [illegible]
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? [illegible] Depth of strata [illegible]
Method of sealing strata off [illegible]

(7) PUMP: Manufacturer's Name [illegible]
Type: [illegible] H.P. [illegible]

(8) WATER LEVELS: Land-surface elevation above mean sea level [illegible] ft.
Static level [illegible] ft. below top of well Date [illegible]
Artesian water is controlled by [illegible]
(Cap, valve, etc.)

(9) WELL TESTS:
Was a pump test made? Yes ☐ No ☐ If yes, by whom? [illegible]
Yield: [illegible] gal./min. with [illegible] ft. drawdown after [illegible] hrs.
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time [illegible] Water Level [illegible] Time [illegible] Water Level [illegible]
Date of test [illegible]
Bailer test [illegible] gal./min. with [illegible] ft. drawdown after [illegible] hrs.
Artesian flow [illegible] g.p.m. Date [illegible]
Temperature of water [illegible] Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

FROM	TO	MATERIAL
[illegible]	[illegible]	[illegible]

RECEIVED
[illegible]

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. G320600 F

(1) OWNER: Name .... Address ....

(2) LOCATION OF WELL: County .... NW ¼ NW ¼ SW ¼ Sec. 11 T. 17 N., R. 18 E W.M.

Bearing and distance from section or subdivision corner 340 ft E and 50 ft South from the W ¼ cor.

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well .... inches.
Drilled .... ft. Depth of completed well .... ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ...." Diam. from .... ft. to .... ft.
Threaded ☐ ...." 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 ☐
Manufacturer's Name ....
Type .... Model No. ....
Diam. .... Slot size .... from .... ft. to .... ft.
Diam. .... Slot size .... from .... ft. to .... ft.

Gravel packed: Yes ☐ No ☐ Size of gravel: ....
Gravel placed from .... ft. to .... ft.

Surface seal: Yes ☐ No ☐ To what depth? .... ft.
Material used in seal ....
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? .... Depth of strata ....
Method of sealing strata off ....

(7) PUMP: Manufacturer's Name ....
Type: .... H.P. ....

(8) WATER LEVELS: Land-surface elevation above mean sea level.... .... ft.
Static level .... ft. below top of well Date ....
Artesian pressure .... lbs. 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
Was a pump test made? Yes ☐ No ☐ If yes, by whom? ....
Yield: .... gal./min. with .... ft. drawdown after .... hrs.
" .... " .... " .... "
" .... " .... " .... "

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

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ....
Bailer test .... gal./min. with .... ft. drawdown after .... hrs.
Artesian flow .... g.p.m. Date ....
Temperature of water .... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO

RECEIVED
MAY 23 1975
DEPARTMENT OF ECOLOGY
CENTRAL REGIONAL OFFICE

Work started ...., 19.... Completed ...., 19....

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 .... (Person, firm, or corporation) (Type or print)

Address ....

[Signed] .... (Well Driller)

License No. .... Date ...., 19....

(USE ADDITIONAL SHEETS IF NECESSARY)

No. 7356—OS—(Rev. 4-71).

ATTACHMENT VI

ANALYTIC RESULTS

EXXON BIG "B" MINI MART

Weyerhaeuser

Corporate Headquarters
Tacoma, Washington 98477
Tel (206) 924 2345

Weyerhaeuser Analytical and Testing Services

Service Request 05520

SAIC - Exxon Big B
Project #3751.007

Method 8015 Modified
Fuel Fingerprint

Samples were extracted with high purity hexane. Hexane extracts were analyzed by GC/FID. Identification and quantitation were accomplished by comparing sample chromatograms to chromatograms of known substances. There was a trace of what appeared to be hydraulic fluid or motor oil. Results are expressed in ppm (ug/g).

Approved Thomas Alan Medaris Date 4/29/91

Service Request	O5520
Date	4/29/91
Analyst	T. Meadows

Fuel Fingerprint

Sample ID.	Suspected Component	concentration
70052 EBW-006 4-21 1445	Hydraulic/Lube Oil	<5
70053 EXS-001 4-21 1342	Hydraulic/Lube Oil	<5
BLANK	Hydraulic/Lube Oil	<5

1A

VOLATILE ORGAN S ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBW-006

ab Name: WEYERHAEUSER Contract: 046-5751

Lab Code: WEYER Case No.: 5520 SAS No.: _____ SDG No.: EBW-00

atrix: (soil/water) WATER Lab Sample ID: 70052

ample wt/vol: 5.0 (g/mL) ML Lab File ID: B4960

Level: (low/med) LOW Date Received: 04/22/91

Moisture: not dec. ____ Date Analyzed: 04/25/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	5	U
108-88-3	Toluene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylene (total)	5	U

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

EXS-001

Lab Name: WEYERHAEUSER Contract: 046-5751

Lab Code: WEYER Case No.: 5520 SAS No.: _____ SDG No.: EBW-00

Matrix: (soil/water) WATER Lab Sample ID: 70053

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B4961

Level: (low/med) LOW Date Received: 04/22/91

% Moisture: not dec. _____ Date Analyzed: 04/25/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	5	U
108-88-3	Toluene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylene (total)	5	U

ATTACHMENT VII

CHAIN-OF-CUSTODY FORMS

EXXON BIG "B" MINI MART

DPRA Incorporated

E-1500 First National Bank Building
332 Minnesota Street
St. Paul, MN 55101

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME / LOCATION	SAMPLERS: *(Signature)*

SAMPLE NO.	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NUMBER OF CON-TAINERS							REMARKS

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)*	Date / Time	Remarks	

Distribution: White - Accompanies Shipment; Pink - Project File; Yellow - Laboratory