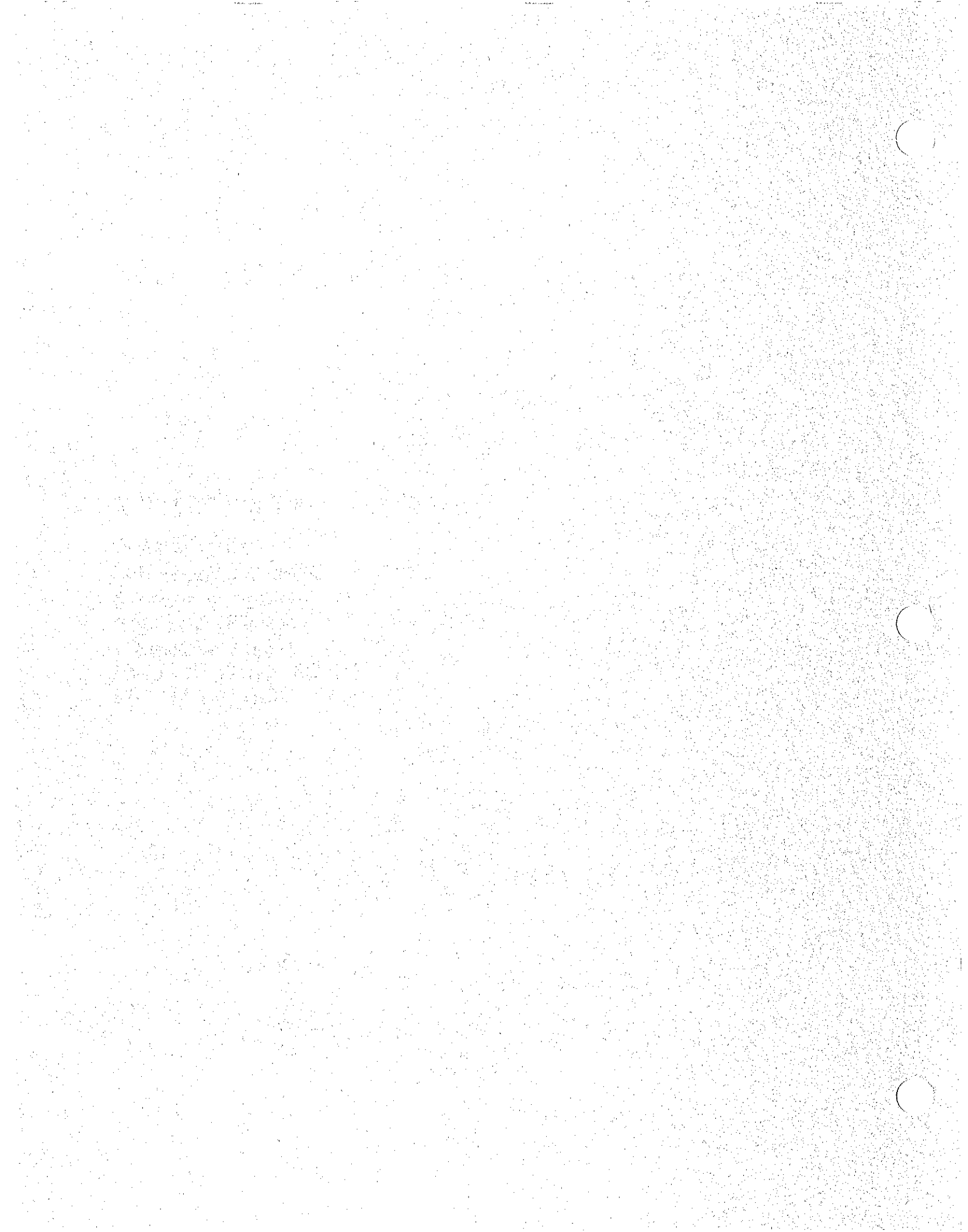


Draft Issued for Ecology Review

APPENDIX B
DNR WELL LOGS
Remedial Investigation
Yakima Railroad Area
Yakima, Washington
SECOR PN: 00378-001-02
December 31, 1998



WATER WELL REPORT

Start Card No. 080380

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name George Nickoloff Address 2901 Lateral I Wapato, WA 98951

(2) LOCATION OF WELL: County Yakima SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 9 T. 12 N. R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

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

(5) DIMENSIONS: Diameter of well 16" 12" 8" inches.
 Drilled 260 feet. Depth of completed well 260 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 8" Diam. from +2' ft. to 105' ft.
 Welded 6" Diam. from -90' ft. to 260 ft.
 Liner installed
 Threaded
 Perforations: Yes No
 Type of perforator used torch cut
 SIZE of perforations 6" long in. by 1/8" wide in.
168 perforations from -230 ft. to -260 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? 105' ft.
 Material used in seal Bentonite
 Did any strata contain unusable water? Yes No
 Type of water? Pressure grouted 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 118' 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: 100 gal./min. with _____ ft. drawdown after _____ hrs.
 " Approx. 100 GPM air lift " " " " " " " " " " " "

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 _____ gal./min. with stem set at _____ ft. for _____ hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Top soil brown medium	0	1
Caliche gravel cobbles black/brown/white hard	1	4
Fractured basalt broken black/brown very hard	4	21
Gravel clay gray medium hard	21	33
Clay brown medium	33	40
Clay shale red/brown medium	40	48
Sandstone gravel black/brown hard	48	52
Sandstone brown medium hard	52	88
Sandstone blue green medium hard	88	93
Sandstone brown medium hard	93	105
Clay shale red/brown medium hard	105	117
Sandstone white gray medium	117	138
Sandstone brown medium hard	138	145
Sandstone multi colored medium	145	149
Sandstone brown medium hard	149	174
Sandstone brown gray medium hard	174	203
Sandstone brown medium hard	203	230
Sandstone multi colored gray	230	260

8" Drive shoe utilized
 6" Drive shoe utilized

Work started 1-20-92, 19. Completed 1-24, 19 92

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Ponderosa Drilling & Development, Inc.
 (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address E. 6010 Broadway Spokane, WA 99212

(Signed) Steve Mills License No. 1335
 (WELL DRILLER) (Steve Mills)

Contractor's Registration No. PO-ND-EI*248JE Date 1-27, 19 92

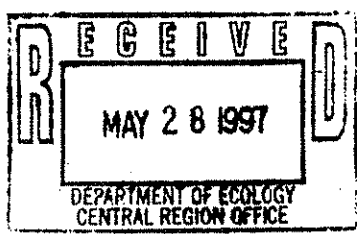
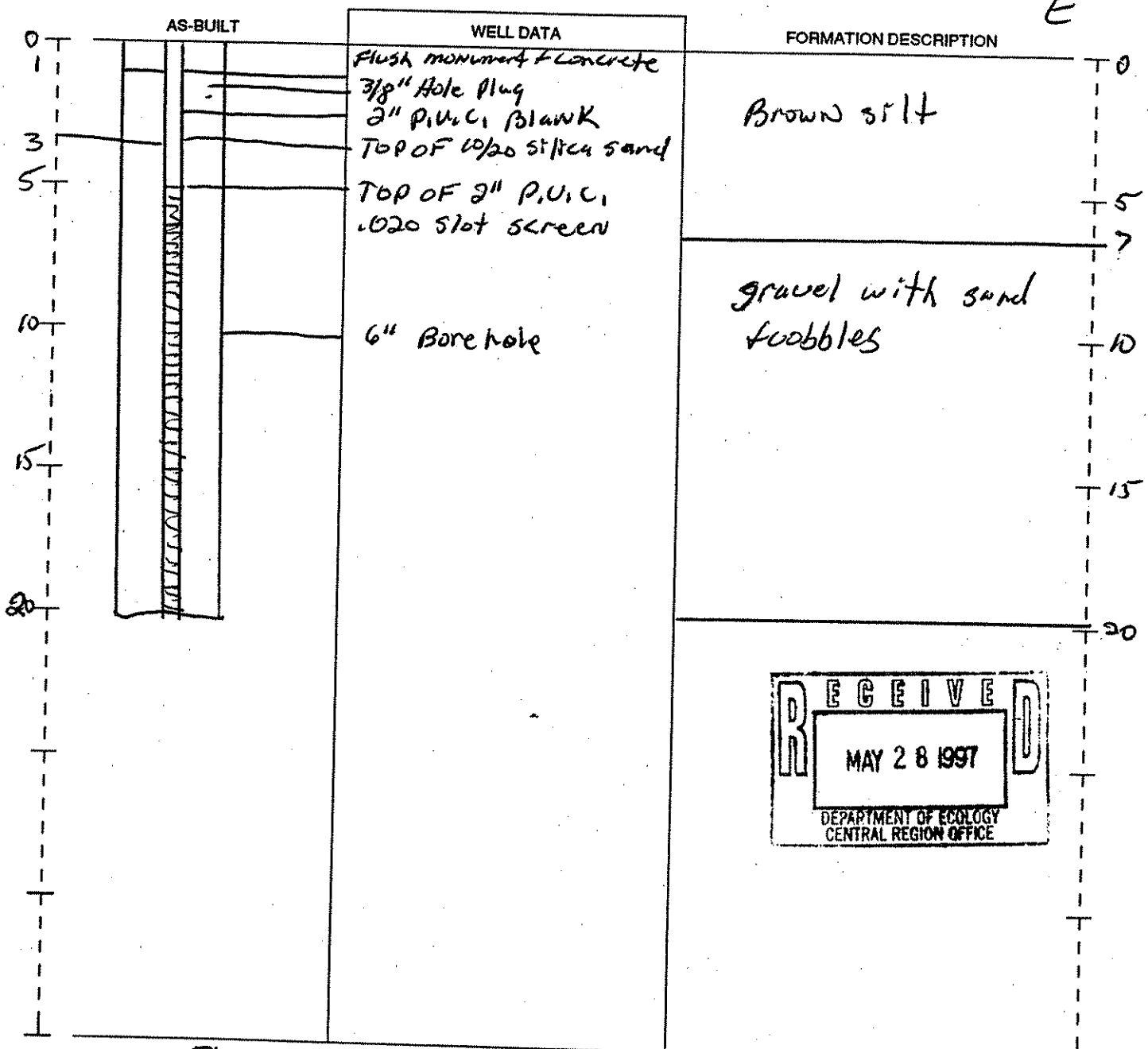
(USE ADDITIONAL SHEETS IF NECESSARY)

RESOURCE PROTECTION WELL REPORT

START CARD NO. 17892

PROJECT NAME: Mr. John Eakin
 WELL IDENTIFICATION NO. MW-1/ACP-664
 DRILLING METHOD: Tubeless
 DRILLER: Robert A. Sheldon
 FIRM: Environmental West Explor.
 SIGNATURE: Robert A. Sheldon
 CONSULTING FIRM: White Shield
 REPRESENTATIVE: Greg Thomas

COUNTY: Yakima
 LOCATION: SW 1/4 NW 1/4 Sec 2 Twn 2N R 19
 STREET ADDRESS OF WELL: 43105. Main St
Union Gap, WA
 WATER LEVEL ELEVATION: 7' BGL
 GROUND SURFACE ELEVATION: NA
 INSTALLED: 5-15-97
 DEVELOPED: NA



SCALE: 1" = 5'

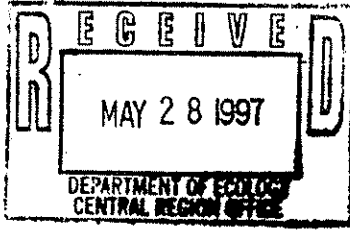
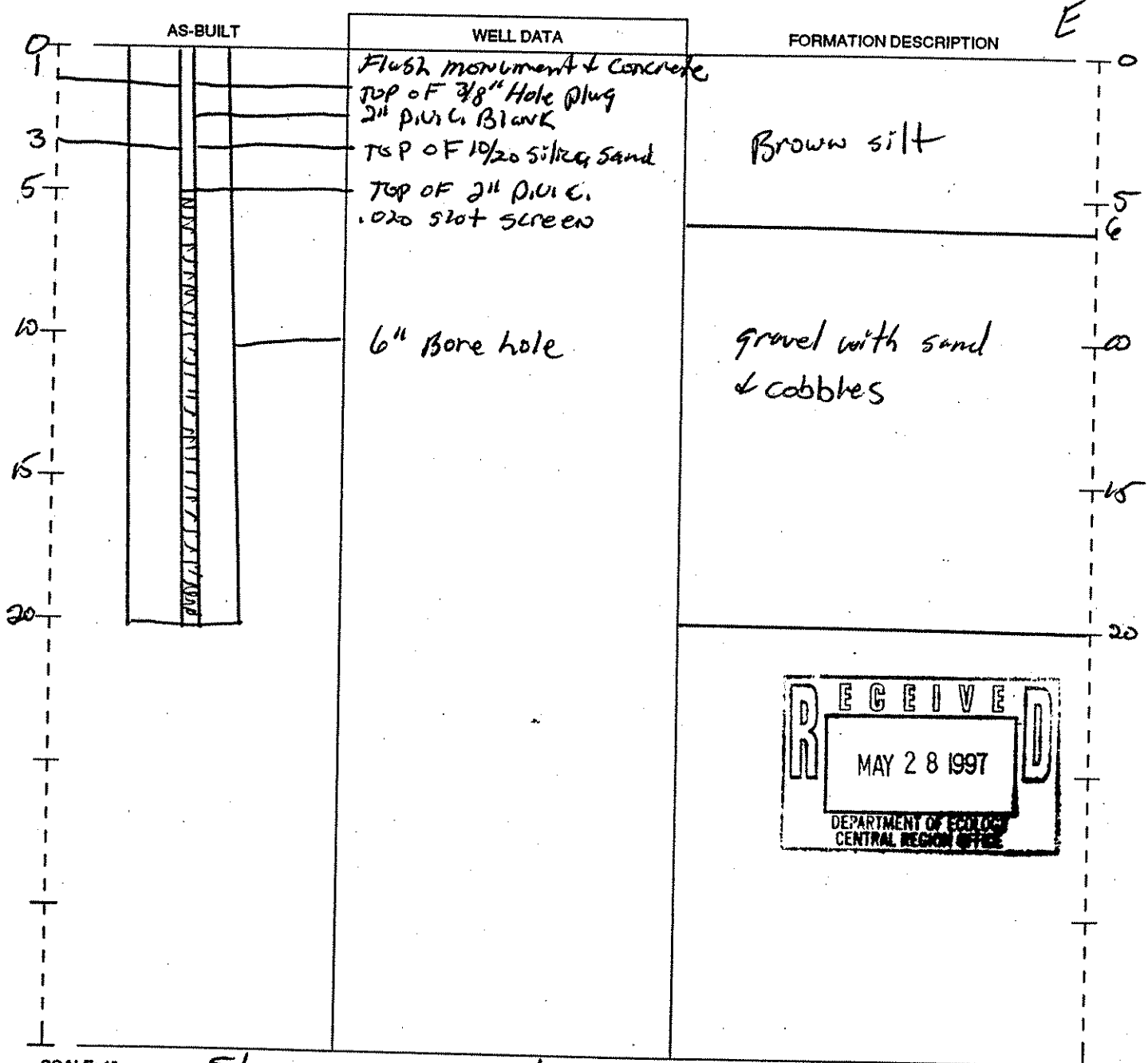
PAGE 1 OF 1

RESOURCE PROTECTION WELL REPORT

START CARD NO. 17892

PROJECT NAME: Mr. John Fakir
 WELL IDENTIFICATION NO. MW-2/ACP-665
 DRILLING METHOD: tubewell
 DRILLER: Robert A. Sheldon
 FIRM: Environmental West Explor.
 SIGNATURE: Robert A. Sheldon
 CONSULTING FIRM: White Shield
 REPRESENTATIVE: Craig Thomas

COUNTY: Yakima
 LOCATION: SW 1/4 NW 1/4 Sec 8 Twn 12N R 19
 STREET ADDRESS OF WELL: 54310 main st
Union Gap, WA
 WATER LEVEL ELEVATION: 7' B.G.L.
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: 5-15-97
 DEVELOPED: N/A

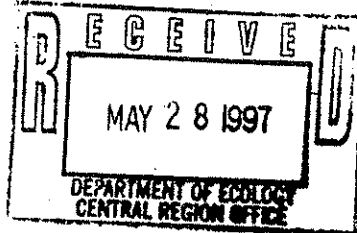
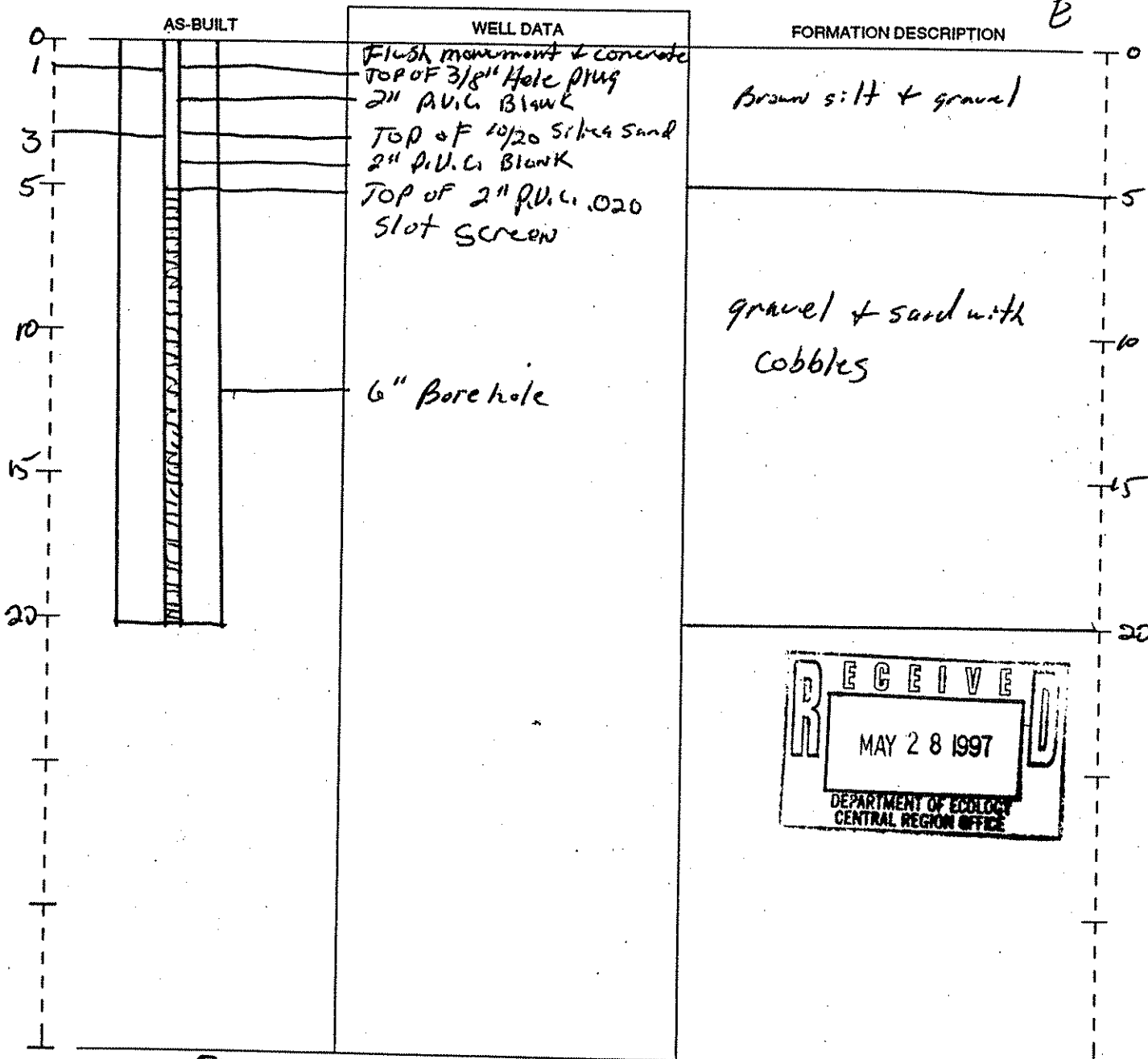


RESOURCE PROTECTION WELL REPORT

START CARD NO. 17892

PROJECT NAME: Mr. John Eskin
 WELL IDENTIFICATION NO. MW-3/ALP-Cole
 DRILLING METHOD: Tubed AL
 DRILLER: Robert A. Sheldon
 FIRM: Environmental West Explor.
 SIGNATURE: Robert A. Sheldon
 CONSULTING FIRM: White Shield
 REPRESENTATIVE: Greg Thomas

COUNTY: Yakima
 LOCATION: Sec 1/4 NW 1/4 Sec 8 Twp 2N R 19
 STREET ADDRESS OF WELL: 54310 main st.
Watson Exp. WA
 WATER LEVEL ELEVATION: 7' B.G.L.
 GROUND SURFACE ELEVATION: NA
 INSTALLED: 5-15-97
 DEVELOPED: NA



SCALE: 1" = 5'

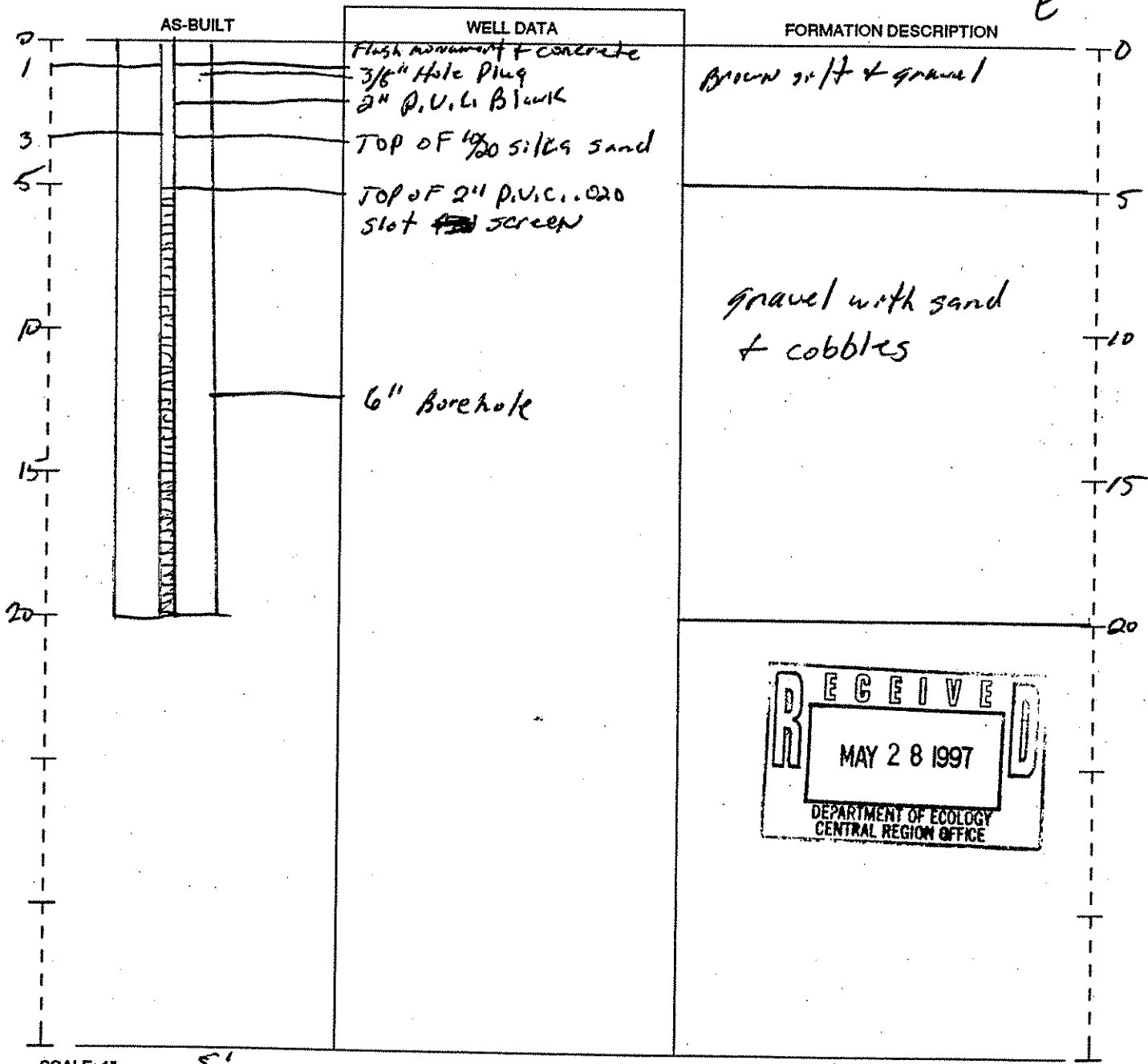
PAGE 1 OF 1

RESOURCE PROTECTION WELL REPORT

START CARD NO. 17897

PROJECT NAME: Mr John Fakow
 WELL IDENTIFICATION NO. MW-41/ALP-667
 DRILLING METHOD: Tube Well
 DRILLER: Robert A. Sheldon
 FIRM: Environmental West Explor.
 SIGNATURE: Robert A. Sheldon
 CONSULTING FIRM: White Shield
 REPRESENTATIVE: Greg Thomas

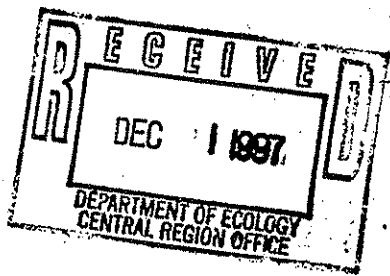
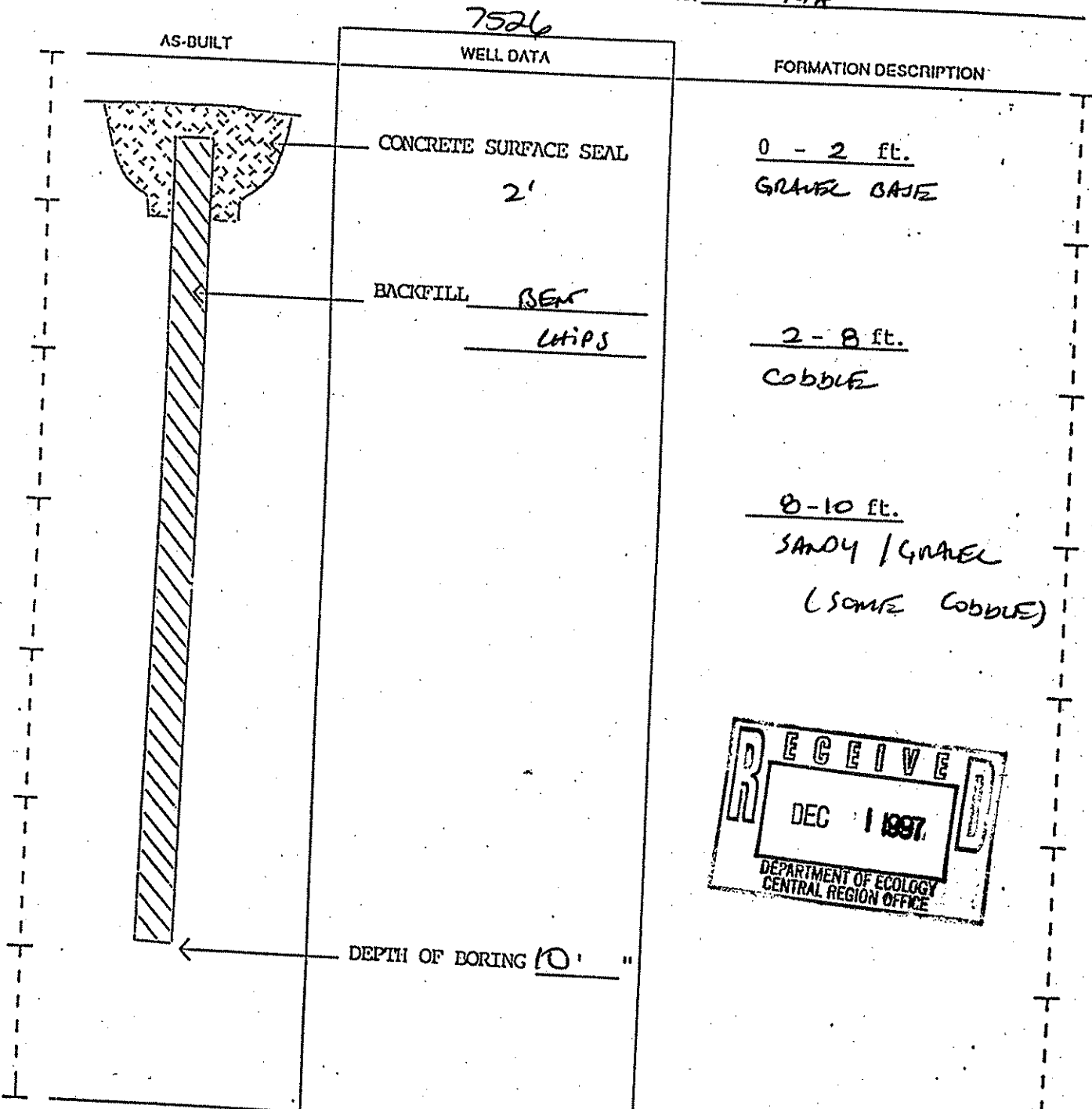
COUNTY: Yakima
 LOCATION: SW 1/4 NW 1/4 Sec 8 Twn 12N R 19
 STREET ADDRESS OF WELL: S. 4310 Main St.
Union Gap, WA.
 WATER LEVEL ELEVATION: 7' A.G.L.
 GROUND SURFACE ELEVATION: NA.
 INSTALLED: 5-16-97
 DEVELOPED: NA.



RESOURCE PROTECTION WELL REPORT

PROJECT NAME: TEXACO EXPRESS LUBE
 WELL IDENTIFICATION NO. 7526
 DRILLING METHOD: HSA
 DRILLER: Brent C. Maloy
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: Highdex
 REPRESENTATIVE: Todd Anderson

START CARD NO. A30999
 COUNTY: Yakima
 LOCATION: SE 1/4 NW 1/4 Sec 8 Twn 12N R 19E
 STREET ADDRESS OF WELL: 2500 S. First (Main St.) Union Gap
 WATER LEVEL ELEVATION: N/A
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: 10/28/97
 DEVELOPED: N/A

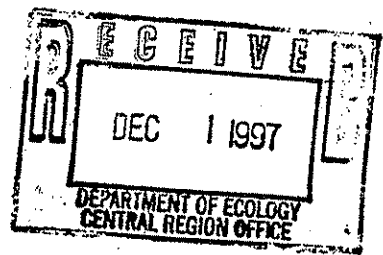
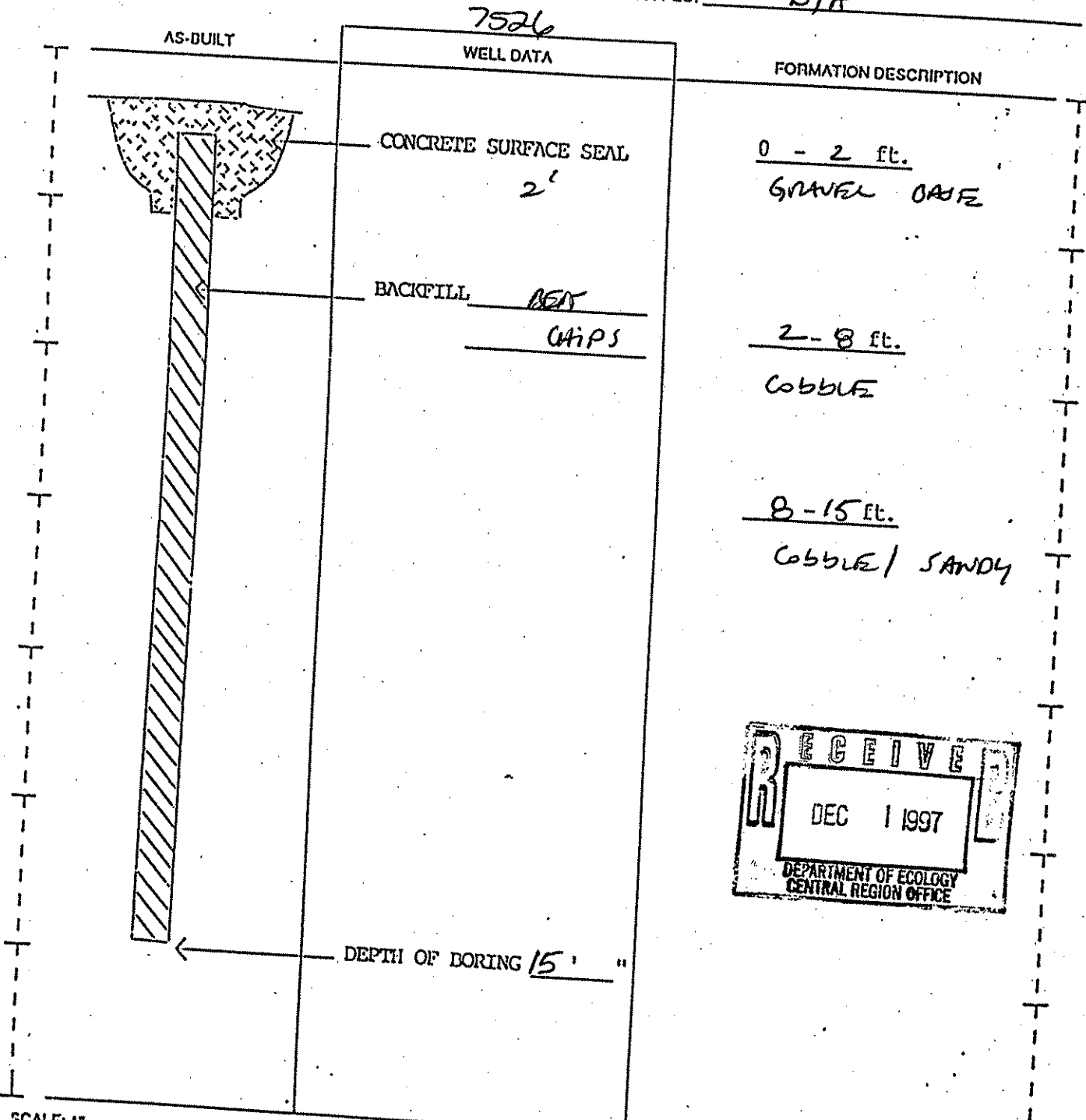


RESOURCE PROTECTION WELL REPORT

PROJECT NAME: TEXACO EXPRESS LUBE
 WELL IDENTIFICATION NO. 7526
 DRILLING METHOD: HSA
 DRILLER: Brent C. Maloy
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: Adindex
 REPRESENTATIVE: Todd Anderson

START CARD NO. A30999

COUNTY: Yakima
 LOCATION: SE 1/4 NW 1/4 Sec 8 Twn 12N R 19E
 STREET ADDRESS OF WELL: 2500 S. First (Main St.) Union Gap
 WATER LEVEL ELEVATION: N/A
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: 10/28/97
 DEVELOPED: N/A

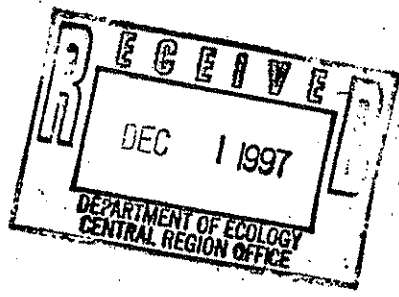
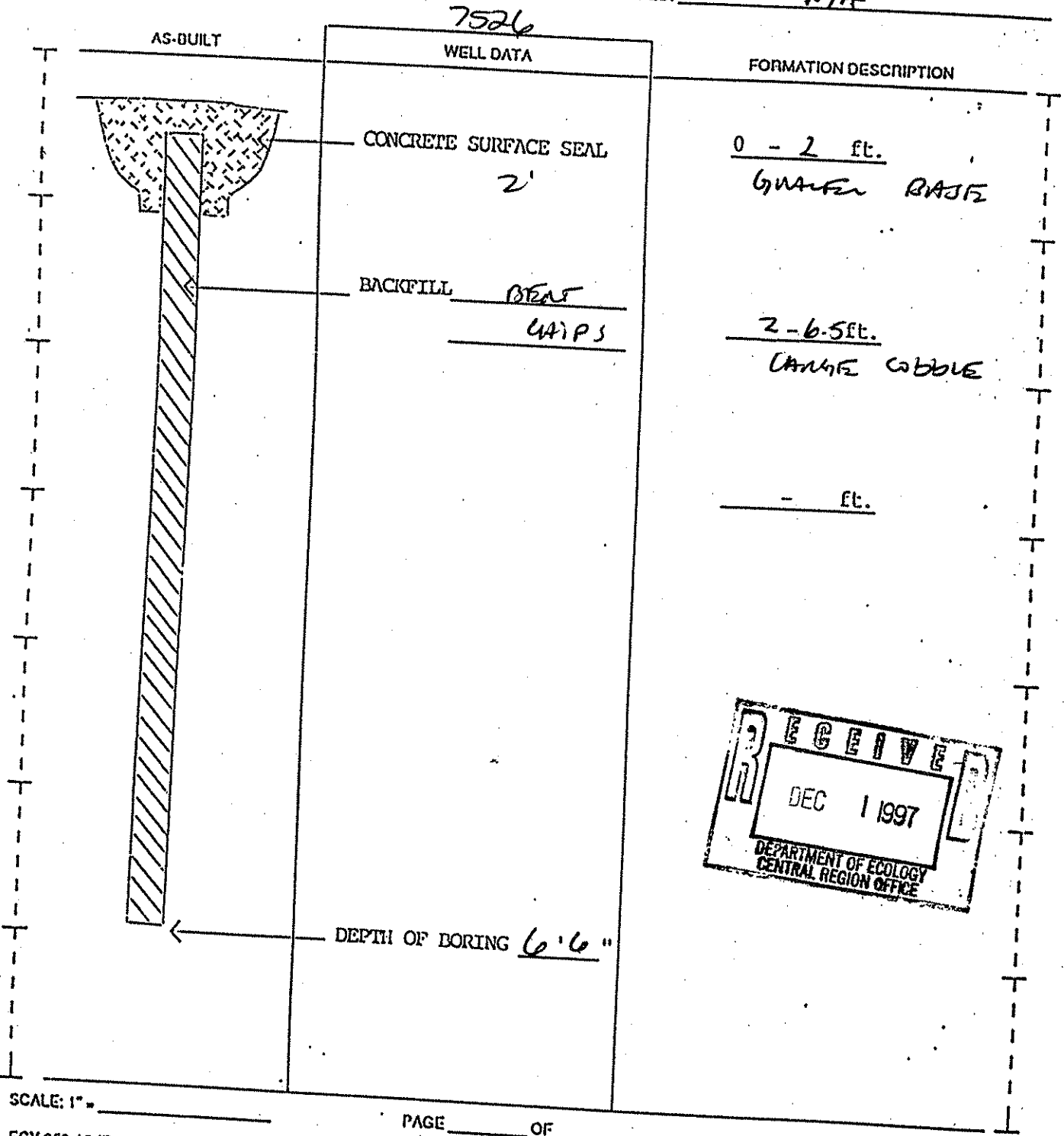


RESOURCE PROTECTION WELL REPORT

PROJECT NAME: TEXACO EXPRESS LUBE
 WELL IDENTIFICATION NO. 7526
 DRILLING METHOD: HSA
 DRILLER: Brent C. Maloy
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: _____
 CONSULTING FIRM: Andrex
 REPRESENTATIVE: Todd Anderson

START CARD NO. A30999

COUNTY: Yakima
 LOCATION: SE 1/4 NW 1/4 Sec 8 Twn 12N R 19E
 STREET ADDRESS OF WELL: 2500 S. First (Main St.) Union Gap
 WATER LEVEL ELEVATION: N/A
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: 10/29/97
 DEVELOPED: N/A

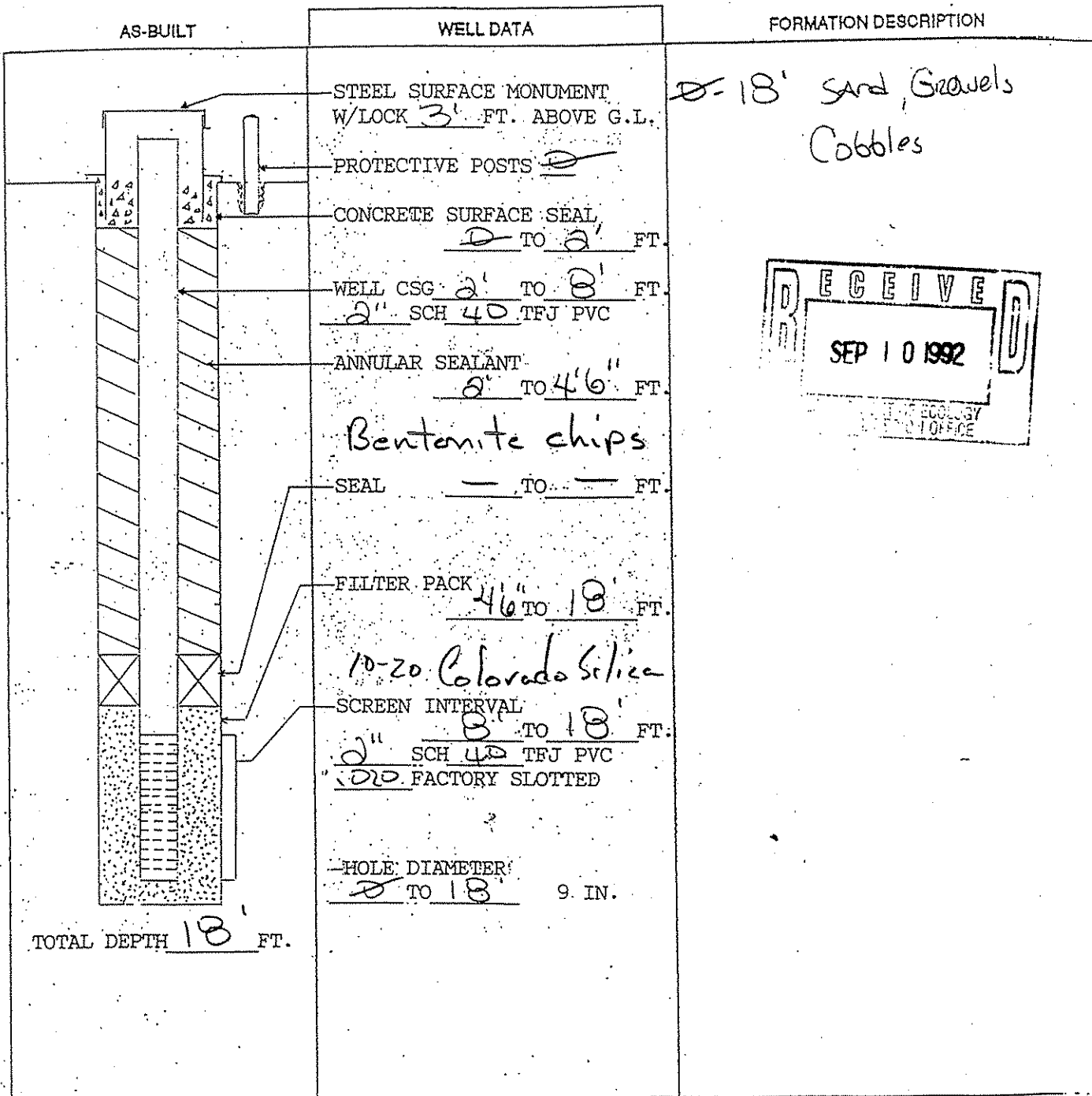


RESOURCE PROTECTION WELL REPORT

START CARD NO. 201168

PROJECT NAME: SPRAY FIELD YAKIMA Wash.
 WELL IDENTIFICATION NO. MLD-6
 DRILLING METHOD: PERCUSSION Hammer - Reverse Air
 DRILLER: Richard Virocne
 FIRM: Layne Environmental Services, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: [Signature]
 REPRESENTATIVE: Tim O'Conner

COUNTY: YAKIMA
 LOCATION: NW 1/4 SW 1/4 Sec 28 Twn 13N R 19E
 STREET ADDRESS OF WELL: 2220 E. Viola
YAKIMA, WA
 WATER LEVEL ELEVATION: 7.7'
 GROUND SURFACE ELEVATION: _____
 INSTALLED: 8-13-92
 DEVELOPED: 8-14-92



WATER WELL REPORT

STATE OF WASHINGTON

(1) OWNER: Name RICHARDSON ENTERPRISES Address
(2) LOCATION OF WELL: County YANIMA NE 1/4 NE 1/4 Sec. 28 T. 13 N. R. 19 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 10" inches.
Drilled 228 ft. Depth of completed well 228 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 16" Diam. from 2 ft. to 40 ft.
Threaded 10" Diam. from 2 ft. to 206 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? 80+ ft.
Material used in seal CEMENT
Did any strata contain unusable water? Yes No
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: HP

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level ft. below top of well Date
Artesian pressure 6-7 lbs. per square inch Date 6-1-79
Artesian water is controlled by CAP & VALVE
(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: 300 gal./min. with 23 ft. drawdown after 24 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
Pump test gal./min. with ft. drawdown after hrs.
Artesian flow APPROX 190 g.p.m. Date 5-8-79
Temperature of water 63 Was a chemical analysis made? Yes No

(10) WELL LOG: A

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
TOP SOIL	0	3
Gravel, COBBLES, loose	3	7
Gravel, sand	7	19 1/2
CLAY, GRAVEL	19 1/2	23
Gravel, sand, SILT	23	38
conglomerate, gray	38	43
conglomerate, brown	43	111
(CLAY & gravel)		
CLAY, SANDY, w/ sm gravel	111	125
CLAY & COBBLES, BROWN	125	128
SAND, w/ LAB LARER		
GRAVEL, LOOSE, BROWN	128	131
CLAY, SANDY, w/ sm gravel, Br.	131	227
COBBLES, Gravel, sand		
PUMPING WATER	227	228

RECEIVED

MAY - 1979

Work started 3-15, 1979. Completed 5-23, 1979

WELL DRILLER'S STATEMENT:

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

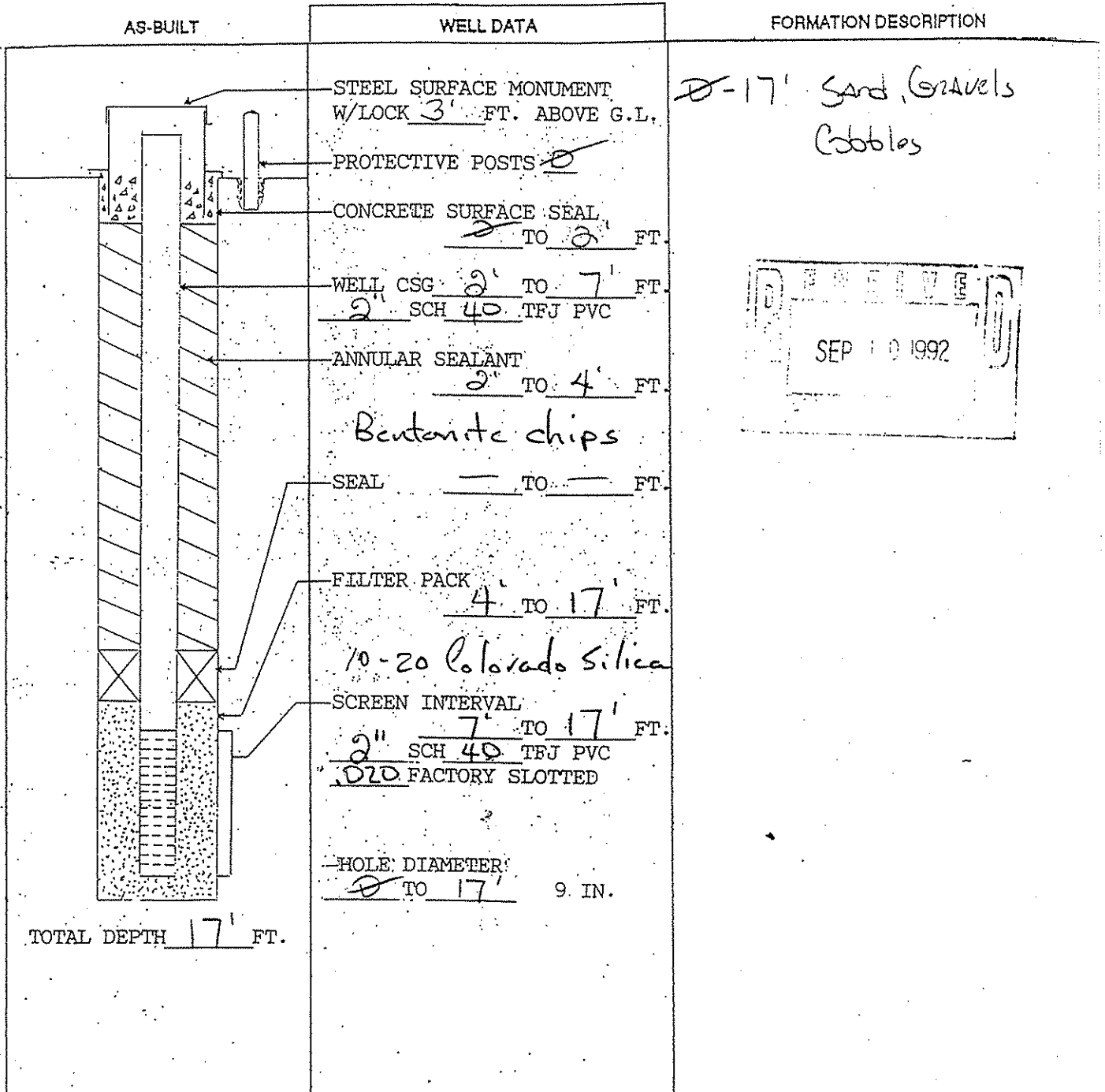
NAME Cassel Well Drilling
(Person, firm, or corporation) (Type of print)
Address 1304 Youlker, VANIMA, WA
[Signed] Ray E. Cassel
(Well Driller)
License No. 0073 Date 7-10, 1979

RESOURCE PROTECTION WELL REPORT

START CARD NO. 201167

PROJECT NAME: Spray field Yakima Wash
 WELL IDENTIFICATION NO. MW-5
 DRILLING METHOD: Rotation of Hammer - Reverse Air
 DRILLER: Richard Smeret
 FIRM: Layne Environmental Services, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: Cham Hill
 REPRESENTATIVE: Tim Donner

COUNTY: YAKIMA
 LOCATION: NW 1/4 SW 1/4 Sec 28 Twn 13N R 19E
 STREET ADDRESS OF WELL: 2220 E. Viola
Yakima, WA
 WATER LEVEL ELEVATION: 6.7'
 GROUND SURFACE ELEVATION: _____
 INSTALLED: 8-13-92
 DEVELOPED: 8-14-92

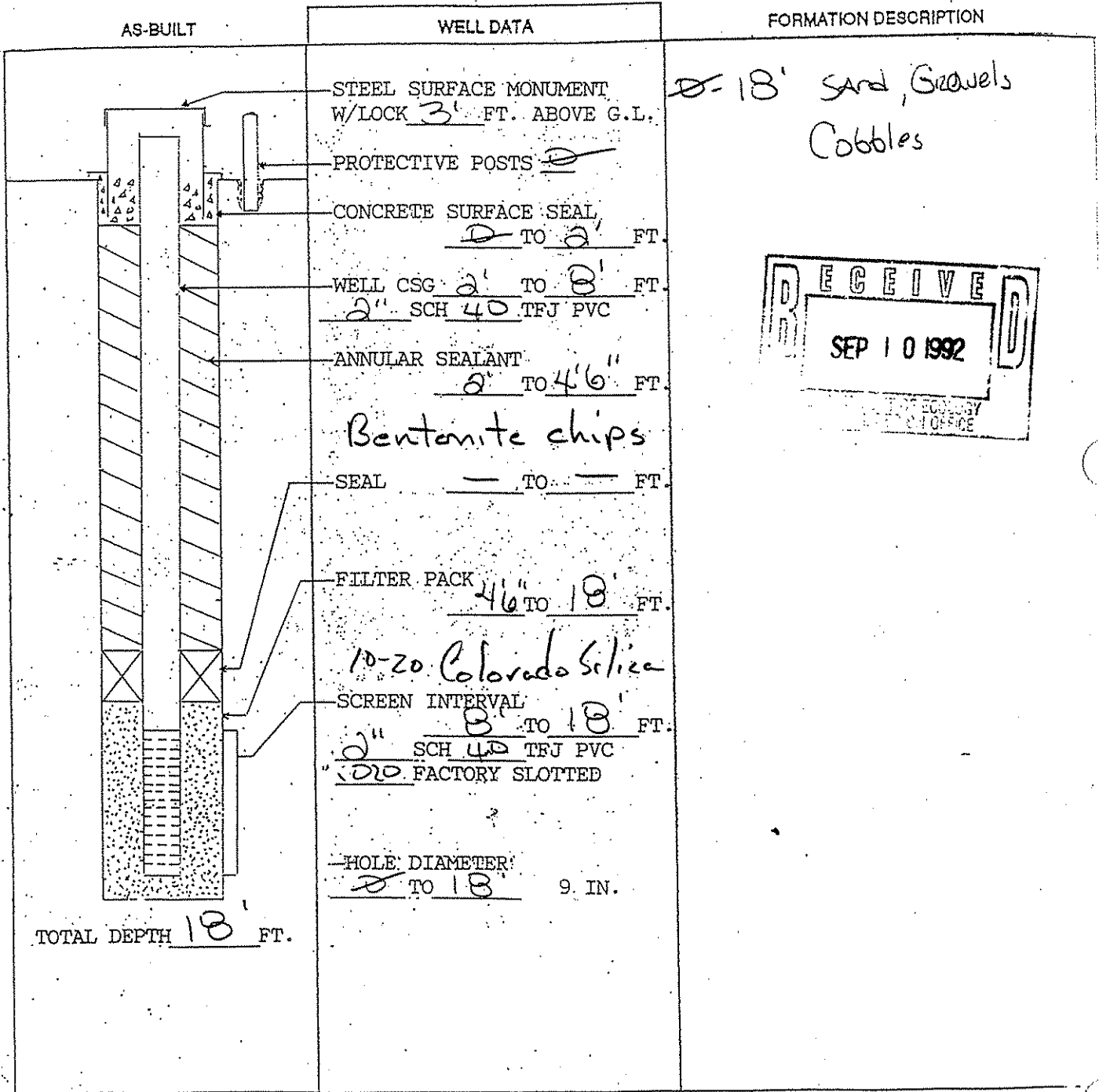


RESOURCE PROTECTION WELL REPORT

START CARD NO. 201168

PROJECT NAME: SPRAY FIELD YAKIMA Wash.
 WELL IDENTIFICATION NO. MD-6
 DRILLING METHOD: Perussion Hammer - Reverse Air
 DRILLER: Richard Sirocchi
 FIRM: Layne Environmental Services, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: Cham Hill
 REPRESENTATIVE: Tim O'Conner

COUNTY: YAKIMA
 LOCATION: NW 1/4 SW 1/4 Sec 28 Twn 13N R 19E
 STREET ADDRESS OF WELL: 2220 E. Viola
YAKIMA, WA
 WATER LEVEL ELEVATION: 7.7'
 GROUND SURFACE ELEVATION: _____
 INSTALLED: 8-13-92
 DEVELOPED: 8-14-92

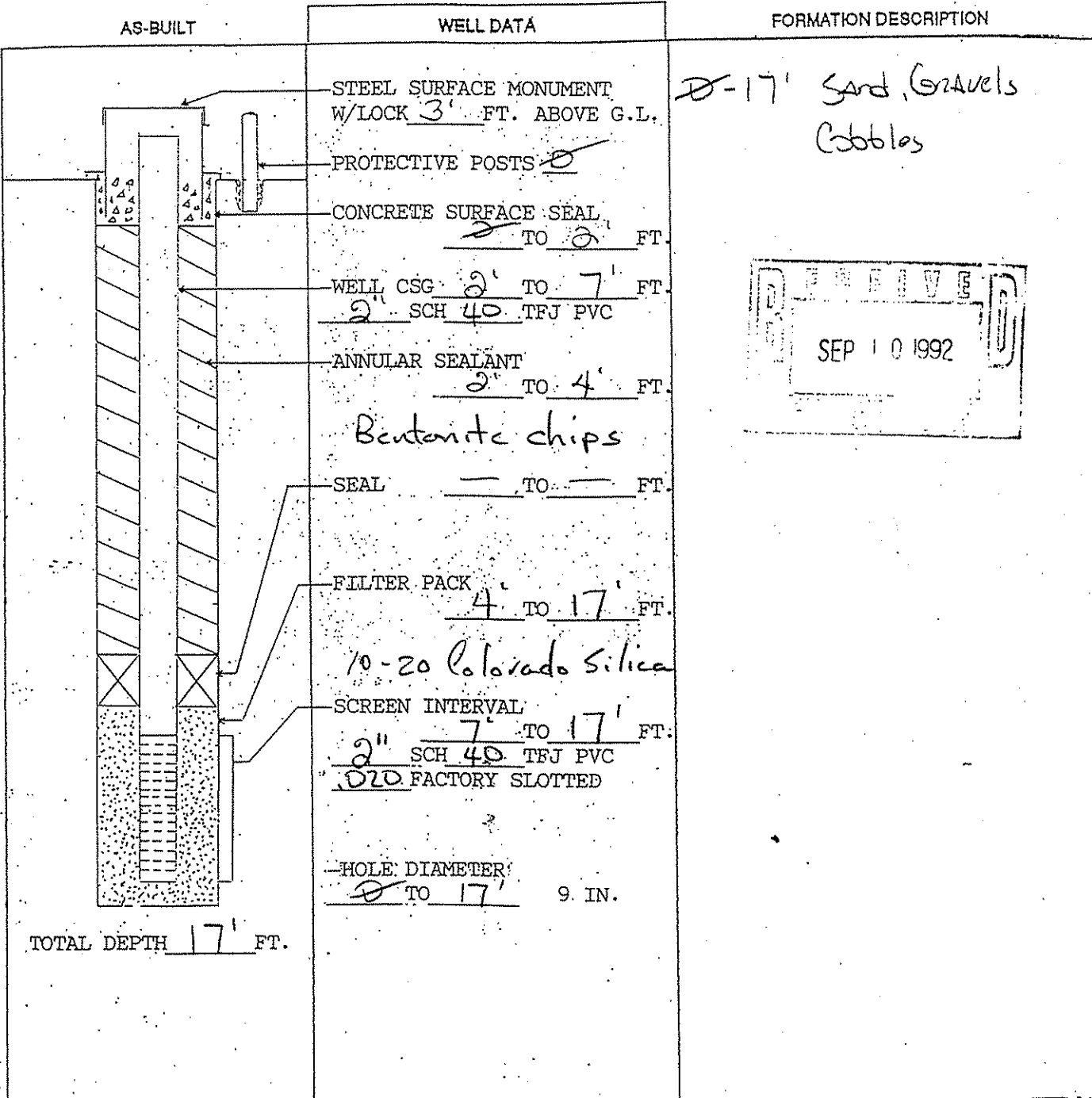


RESOURCE PROTECTION WELL REPORT

START CARD NO. 201167

PROJECT NAME: Spray field Yakima Wash
 WELL IDENTIFICATION NO. MW-5
 DRILLING METHOD: Recession Hammer - Reverse Air
 DRILLER: Richard Emerit
 FIRM: Layne Environmental Services, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: Cham Hill
 REPRESENTATIVE: Tim Donner

COUNTY: YAKIMA
 LOCATION: NW 1/4 SW 1/4 Sec 28 Twn 13N R 19E
 STREET ADDRESS OF WELL: 2220 E. Viola
Yakima, WA
 WATER LEVEL ELEVATION: 6.7'
 GROUND SURFACE ELEVATION: _____
 INSTALLED: 8-13-92
 DEVELOPED: 8-14-92





MONITORING WELL GEOLOGIC & CONSTRUCTION LOG		
PROJECT NUMBER SEA27892.R1	WELL NUMBER MW-2	SHEET 1

PROJECT NC Machinery LOCATION Near oil/water separator
 ELEVATION (TOP OF PVC WELL CASING) 1029.0 SURFACE ELEVATION 1027.0
 WATER LEVEL ELEVATION 1017.31 START DATE 2/10/92
 DRILLING CONTRACTOR Bartholomew Brothers FINISH DATE 2/11/92
 DRILLING METHOD CP 650 WS Air Rotary Drill HYDROGEOLOGIST Kathy Gatzwiler

DEPTH (ft)	SAMPLE				GEOLOGIC LOGS & FIELD OBSERVATIONS	WELL CONSTRUCTION	
	INTERVAL	TYPE AND NUMBER	RECOVERY %	STANDARD PENETRATION TEST			
5					Surface Conditions: sand and cobbles	+2.5 ft	+2.0 ft
10		Grab			Brown sandy silt (ML), dense with some gravel.	3 ft	3 ft
15		Grab			Grey sandy gravel (GP), moist to wet	7 ft	7 ft
20					Becomes wet 11'	22 ft	22.5 ft
25		Grab			Grey sandy gravel (GP), saturated	Bottom of hole 24'	
25					Grey sandy gravel (GP-GM), saturated, with some silt.		
25					Water encountered at approx. 13 ft. bgs during drilling. 24' = bottom of hole		

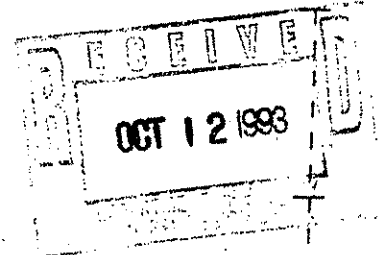
RESOURCE PROTECTION WELL REPORT

START CARD NO. R 01335

PROJECT NAME: N.C. MACHINERY
 WELL IDENTIFICATION NO. MW-8
 DRILLING METHOD: CASING HAMMER
 DRILLER: STEVE BUTLER
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: DAMES + MOORE
 REPRESENTATIVE: MARC MOLINARI

COUNTY: YAKIMA
 LOCATION: NE 1/4 NE 1/4 Sec 20 Twn 13N R 19E
 STREET ADDRESS OF WELL: 2100 TERRACE DR.
YAKIMA, WA.
 WATER LEVEL ELEVATION: 12
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: 9-30-93
 DEVELOPED: 9-30-93

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	<p>WELL COVER</p> <p>CONCRETE SURFACE SEAL DEPTH = 1/ft</p> <p>PVC BLANK <u>2 "x 5'</u></p> <p>BACKFILL <u>2 ft.</u> TYPE: <u>CHIPS</u></p> <p>PVC SCREEN <u>2 "x 13'</u> SLOT SIZE: <u>.020</u></p> <p>GRAVEL PACK <u>15 ft.</u> MATERIAL: <u>8-12 SAND</u></p> <p>WELL DEPTH <u>18' "</u></p>	<p><u>0 - 18 ft.</u> <u>SILTY SAND, GRAVEL & COBBLES</u></p> <p><u>- ft.</u></p> <p><u>- ft.</u></p>



RESOURCE PROTECTION WELL REPORT

START CARD NO. R 01335

PROJECT NAME: N.C. MACHINERY
 WELL IDENTIFICATION NO. MW-7
 DRILLING METHOD: CASING HAMMER
 DRILLER: STEVE BUTLER
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: DAMES + MOORE
 REPRESENTATIVE: MARK MOLINARI

COUNTY: YAKIMA
 LOCATION: NE 1/4 NE 1/4 Sec 20 Twn 13N R 19E
 STREET ADDRESS OF WELL: 2100 TERRACE DR.
YAKIMA, WA.
 WATER LEVEL ELEVATION: 11
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: 9-30-93
 DEVELOPED: 9-30-93

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER	0 -20 ft.
	CONCRETE SURFACE SEAL DEPTH = 1/ft	SILTY SAND, GRAVEL & COBBLES
	PVC BLANK <u>2 "x 5'</u>	- ft.
	BACKFILL <u>2 ft.</u> TYPE: <u>CHIPS</u>	- ft.
	PVC SCREEN <u>2 "x 15'</u> SLOT SIZE: <u>.020</u>	
	GRAVEL PACK <u>17 ft.</u> MATERIAL: <u>8-12 SAND</u>	
	WELL DEPTH <u>20'</u>	

OCT 12 1993
 DEPARTMENT OF ECOLOGY
 CENTRAL REGION OFFICE

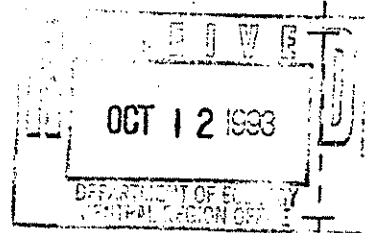
RESOURCE PROTECTION WELL REPORT

START CARD NO. R 01335

PROJECT NAME: N.C. MACHINERY
 WELL IDENTIFICATION NO. MW-5
 DRILLING METHOD: CASING HAMMER
 DRILLER: STEVE BUTLER
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: DAMES + MOORE
 REPRESENTATIVE: MARK MOLINARI

COUNTY: YAKIMA
 LOCATION: NE 1/4 NE 1/4 Sec 20 Twn 13N R 19E
 STREET ADDRESS OF WELL: 2100 TERRACE DR.
YAKIMA, WA.
 WATER LEVEL ELEVATION: 7
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: 9-29-93
 DEVELOPED: 9-29-93

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	<p>WELL COVER</p> <p>CONCRETE SURFACE SEAL DEPTH = 1/ft</p> <p>PVC BLANK <u>2" x 5'</u></p> <p>BACKFILL <u>2 ft.</u> TYPE: <u>CHIPS</u></p> <p>PVC SCREEN <u>2" x 15'</u> SLOT SIZE: <u>.020</u></p> <p>GRAVEL PACK <u>17 ft.</u> MATERIAL: <u>8-12 SAND</u></p> <p>WELL DEPTH <u>20'</u></p>	<p><u>0 - 20 ft.</u> <u>SILTY SAND, GRAVEL & COBBLES</u></p> <p><u>- ft.</u></p> <p><u>- ft.</u></p>

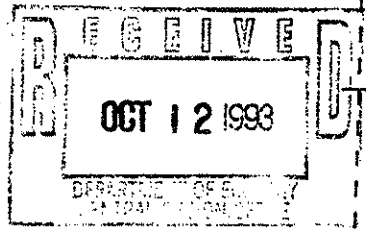
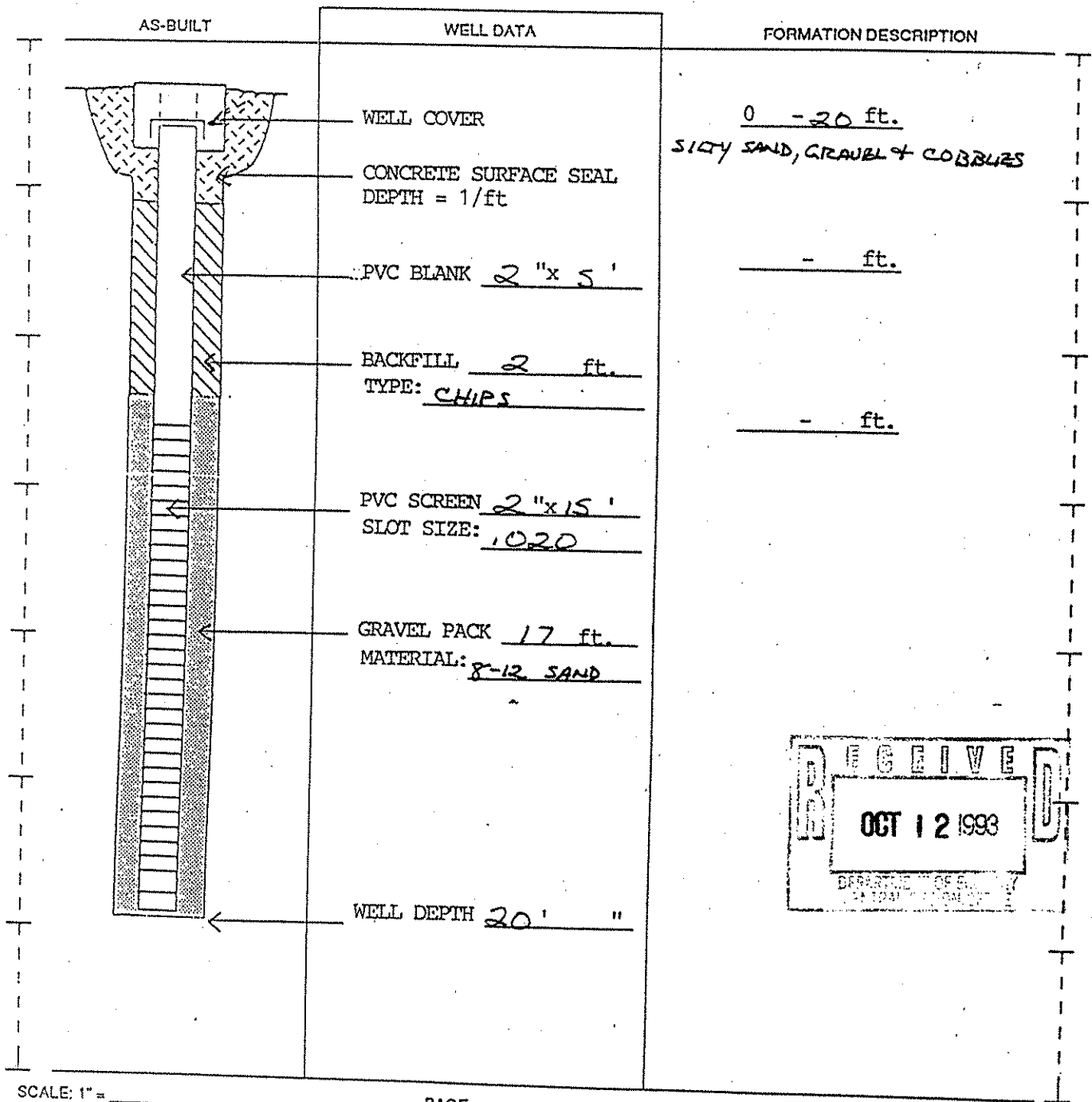


RESOURCE PROTECTION WELL REPORT

START CARD NO. R 01335

PROJECT NAME: N.C. MACHINERY
 WELL IDENTIFICATION NO. AA W-16
 DRILLING METHOD: CASING HAMMER
 DRILLER: STEVE BUTLER
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: DAMES + MOORE
 REPRESENTATIVE: MARK MOLINAEI

COUNTY: YAKIMA
 LOCATION: NE 1/4 NE 1/4 Sec 20 Twn 13N R 19E
 STREET ADDRESS OF WELL: 3100 TERRACE DR.
YAKIMA, WA.
 WATER LEVEL ELEVATION: 10'
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: 9-29-93
 DEVELOPED: 9-29-93



RESOURCE PROTECTION WELL REPORT

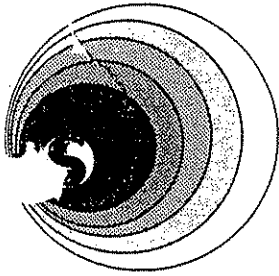
START CARD NO. R 01335

PROJECT NAME: N.C. MACHINERY
 WELL IDENTIFICATION NO. MW-4
 DRILLING METHOD: CASING HAMMER
 DRILLER: STEVE BUTLER
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: DAMES + MOORE
 REPRESENTATIVE: MARK MOLINARI

COUNTY: YAKIMA
 LOCATION: NE 1/4 NE 1/4 Sec 20 Twn 13N R 19E
 STREET ADDRESS OF WELL: 3100 TERRACE DR.
YAKIMA, WA.
 WATER LEVEL ELEVATION: 15
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: 9-29-93
 DEVELOPED: 9-29-93

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	<p>WELL COVER</p> <p>CONCRETE SURFACE SEAL DEPTH = 1/ft</p> <p>PVC BLANK <u>2" x 12'</u></p> <p>BACKFILL <u>7 ft.</u> TYPE: <u>CHIPS</u></p> <p>PVC SCREEN <u>2" x 15'</u> SLOT SIZE: <u>.020</u></p> <p>GRAVEL PACK <u>19 ft.</u> MATERIAL: <u>8-12 SAND</u></p> <p>WELL DEPTH <u>27'</u> "</p>	<p><u>0 - 27 ft.</u> <u>SILTY SAND & GRAVEL</u> <u>COBBLES</u></p> <p><u>- ft.</u></p> <p><u>- ft.</u></p>

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 DEPARTMENT OF ECOLOGY
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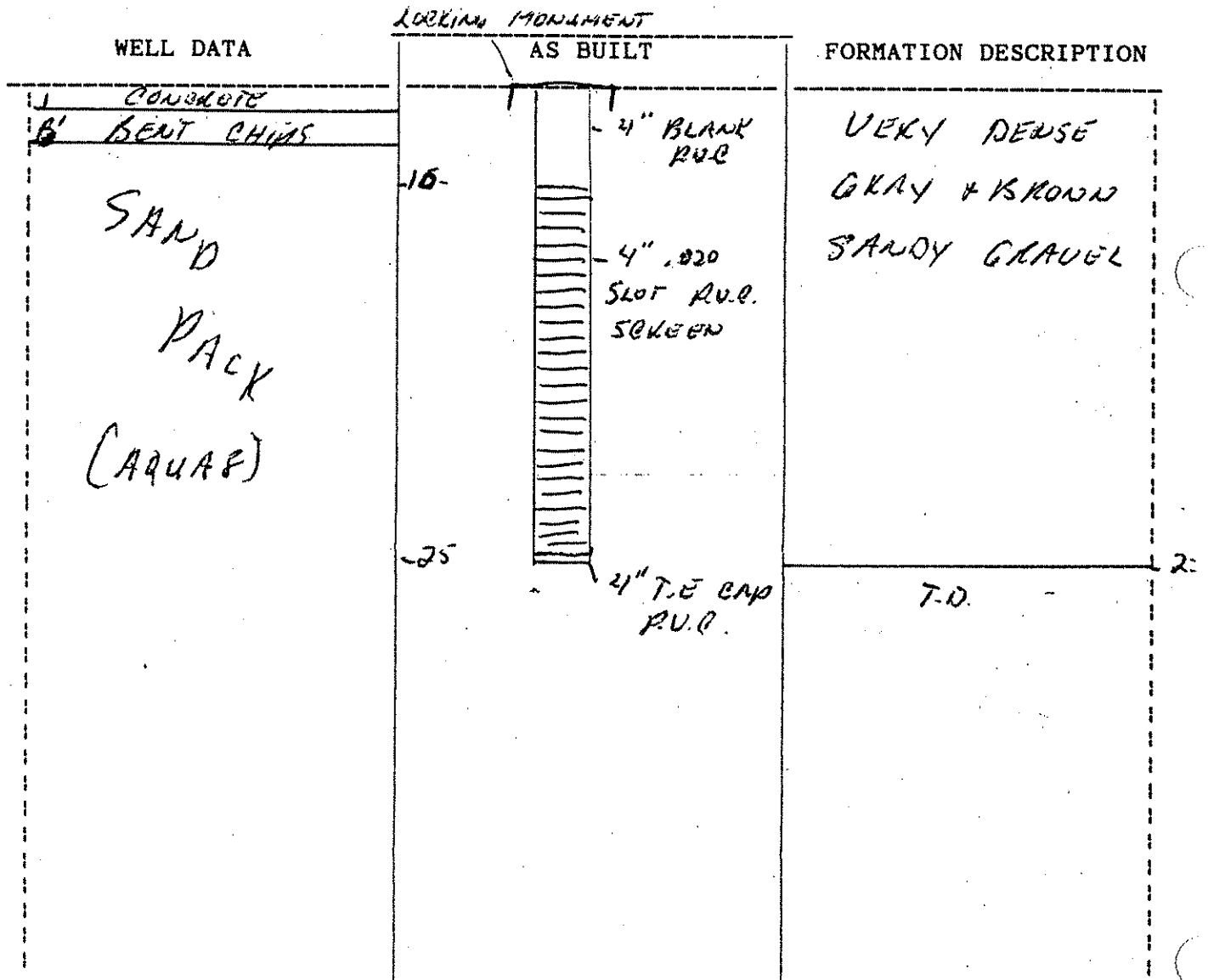
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DEPARTMENT OF ECOLOGY
SAMPLE DESIGN OFFICE

RESOURCE PROTECTION WELL REPORT

PROJECT NAME: CHEUKOON STATION
 WELL IDENTIFICATION NO: # Q-1 0-4 0-5
 DRILLING METHOD: AIR ROTARY
 DRILLER: P. KETUNITS 1611
 SIGNATURE: P. Ketunits
 CONSULTING FIRM: RITTELHAUSE ZEMMAN
 REPRESENTATIVE: KIRK WATTEN

JOB # 102655 START CARD NO: 02552
 COUNTY YAKIMA CITY YAKIMA
 LOCATION: 1/2 NW 1/2 NW
 SEC: 20 TOWN: 13N RANGE: 16E
 DATUM: _____
 WATER LEVEL ELEVATION: _____
 INSTALLED: 4-28-89
 DEVELOPED: _____



SCALE: 1" = 8'

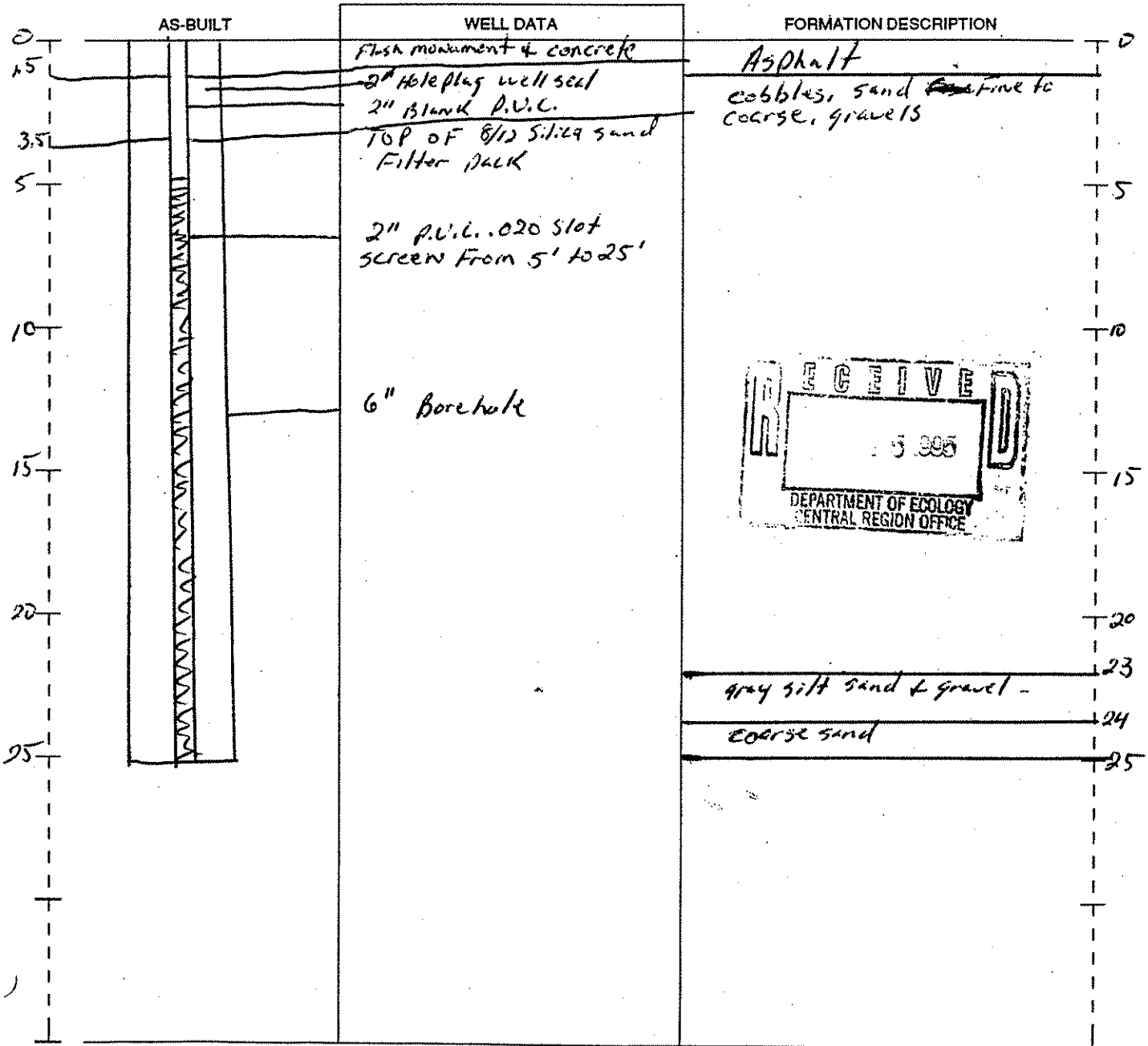
PAGE 1 OF 1

RESOURCE PROTECTION WELL REPORT

START CARD NO. R-17778

PROJECT NAME: Superior Asphalt
 WELL IDENTIFICATION NO. MW-21/ABW-427
 DRILLING METHOD: tubes
 DRILLER: Robert A. Sheldon
 FIRM: Environmental West Exploration
 SIGNATURE: Robert A. Sheldon
 CONSULTING FIRM: Pacific Groundwater Group
 REPRESENTATIVE: ALI Tabaei

COUNTY: Yakima
 LOCATION: SE 1/4 NW 1/4 Sec 20 Twn 13N R 14E
 STREET ADDRESS OF WELL: 2000 E. Beech St.
Yakima, WA 98909
 WATER LEVEL ELEVATION: 9' B.G.L.
 GROUND SURFACE ELEVATION: _____
 INSTALLED: 3-1-95
 DEVELOPED: 3-1-95



SCALE: 1" = 5'

PAGE 1 OF 1

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

Start Card No. 20255

UNIQUE WELL I.D. # AB1075

(1) OWNER: Name Superior Asphalt Address _____

(2) LOCATION OF WELL: County Yakima SW 1/4 NE 1/4 Sec. 20 T. 13 N. R. 9 W.M. 9

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

(4) TYPE OF WORK: Owner's number of well (if more than one) VW#1
 Abandoned New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
 Drilled 10 feet. Depth of completed well 10 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: _____ Diam. from _____ ft. to _____ ft.
 Welded _____
 Liner installed 2 in. Diam. from 0 ft. to 5 ft.
 Threaded _____ 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 Johnson
 Type PVC Sch 40 Model No. _____
 Diam. 2 Slot size .020 from 5 ft. to 10 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 10/20 sand
 Gravel placed from 4 ft. to 10 ft.

Surface seal: Yes No To what depth? 4 ft.
 Material used in seal Bentonite Crumbles
 Did any strata contain unusable water? Yes No
 Type of water? _____ Depth of strata _____
 Method of sealing strata off _____

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

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
 Static level 0 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.
 Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

VW#1	MATERIAL	FROM	TO
	<u>sandy gravel & cobbles</u>	<u>0</u>	<u>10</u>

Work Started 2-7 1994 completed 2-7 1994

WELL CONSTRUCTOR CERTIFICATION:

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

NAME ENVIRONMENTAL WEST EXPT. INC.
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address P.O. Box 11095 Spokane WA

(Signed Dan Clausen License No. 1827)
(WELL DRILLER)

Contractor's Registration No. ENVIRWEI01PP Date 2-25 1994



WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 205713

UNIQUE WELL I.D. # _____

Water Right Permit No. _____

(1) OWNER: Name Central Pre-mix/Doug Johnson Address P.O. Box 9575, Yakima, WA 98909

(2) LOCATION OF WELL: County Yakima SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 20 T 13 N. R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Sand gravel	0	7
Sand gravel cobbles	7	8
Sand gravel cobbles	8	20water
Cemented gravel	20	28water
Cemented gravel pea gravel	28	31
Cemented gravel with clay	31	56
Sandstone multi colored	56	59water
Cemented gravel	59	62water

(4) TYPE OF WORK: Owner's number of well _____ Well #1
 (if more than one)
 Abandoned New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6" inches.
 Drilled 60 feet. Depth of completed well 60 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 6" Diam. from 0 ft. to 40 ft.
 Welded _____ Diam. from _____ ft. to _____ ft.
 Liner installed _____ Diam. from _____ ft. to _____ ft.
 Threaded _____ 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: 85-100 gal./min. with _____ ft. drawdown after _____ hrs.

" Estimated air lift 85-100 GPM "
 " Flows 40 GPM "

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 _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes No

6" Drive shoe utilized

Work started 2/5/93, 19. Completed 2/5, 19 93

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Ponderosa Drilling & Development, Inc.
 (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address E. 6010 Broadway Spokane, WA 99212

(Signed) Steve Mills License No. 1335
 (WELL DRILLER)

Contractor's (Steve Mills)

Registration No. PO-ND-EI*248JE Date 2/12, 19 93

(USE ADDITIONAL SHEETS IF NECESSARY)



8243

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

WATER WELL REPORT

Start Card No. 205713

STATE OF WASHINGTON

UNIQUE WELL I.D. #

Water Right Permit No.

(1) OWNER: Name Central Pre-mix/Doug Johnson Address P.O. Box 9575, Yakima, WA 98909

(2) LOCATION OF WELL: County Yakima SW 1/4 SE 1/4 Sec 20 T. 13 N. R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address)

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

(4) TYPE OF WORK: Owner's number of well (if more than one) Well #3
Abandoned New well Deepened Reconditioned Method: Dug Cable Rotary Bored Driven Jetted

(5) DIMENSIONS: Diameter of well 6" inches. Drilled 41 feet. Depth of completed well 41 feet.

(6) CONSTRUCTION DETAILS:

Casing installed: _____ * Diam. from _____ ft. to _____ ft.
Welded _____ * Diam. from _____ ft. to _____ ft.
Liner installed _____ * Diam. from _____ ft. to _____ ft.
Threaded _____ * 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 _____ 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: 250-300 gal./min. with _____ ft. drawdown after _____ hrs.

Estimated air lift 250-300 GPM
Flows 90 GPM

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

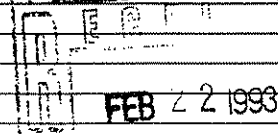
Time	Water Level	Time	Water Level	Time	Water Level

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Crushed rock	0	2
Sandy clay gravel cobbles	2	7
Sandy clay gravel cobbles boulders	7	12
Cemented gravel cobbles tan clay	12	28
Cemented gravel	28	33
Cemented gravel with sand	33	37
Cemented gravel with clay	37	39
Cemented gravel XXXXXX sandstone	39	41



Work started 2/6/93 19. Completed 2/7 19 93

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Ponderosa Drilling & Development, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address E. 6010 Broadway Spokane, WA 99212

(Signed) Steve Mills License No. 1335
(WELL DRILLER) (Steve Mills)

Registration No. PO-ND-EI*248JE Date 2/12 19 93

(USE ADDITIONAL SHEETS IF NECESSARY)



WATER WELL REPORT

STATE OF WASHINGTON

8244
Start Card No. 205713

UNIQUE WELL I.D. # _____

Water Right Permit No. _____

(1) OWNER: Name Central Pre-mix/Doug Johnson Address P.O. Box 9575, Yakima, WA 98909

(2) LOCATION OF WELL: County Yakima SW 1/4 SE 1/4 Sec. 20 T. 13 N., R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Crushed rock	0	2
Sand gravel cobbles sandy clay	2	10
Cemented gravel cobbles	10	12trac
Sand gravel cemented tan clay	12	16
Sand gravel	16	19water:
Cemented gravel cobbles w/tan clay	19	26
Cemented gravel tan clay	26	31
Cemented gravel clay	31	33
Cemented gravel with sandstone	33	40water:

(4) TYPE OF WORK: Owner's number of well (if more than one) Well #2
Abandoned New well Deepened Reconditioned
Method: Dug Cable Rotary Bored Driven Jetted

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 40 feet. Depth of completed well 40 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: _____" Diam. from _____ ft. to _____ ft.
Welded _____" Diam. from _____ ft. to _____ ft.
Liner installed _____" Diam. from _____ ft. to _____ ft.
Threaded _____" 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: 250-300 gal./min. with _____ ft. drawdown after _____ hrs.

"Estimated air lift 250-300 GPM"
"Flows 60 GPM"

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 _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes No

Work started 2/6/93, 19. Completed 2/6, 19 93

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Ponderosa Drilling & Development, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address E. 6010 Broadway Spokane, WA 99212

(Signed) Steve Mills License No. 1335
(WELL DRILLER) (Steve Mills)

Contractor's Registration No. PO-ND EI*248JE Date 2/12, 19 93

(USE ADDITIONAL SHEETS IF NECESSARY)



WATER WELL REPORT
STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name Sarg Hubbard - Greenway Project Address 16 North 2nd St Yak 01
LOCATION OF WELL: County Yakima — NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 20 T 13 N. R 19 W.M.
 Bearing and distance from section or subdivision corner Off freeway & behind Sunfair Chevrolet

(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 100 ft. Depth of completed well 100 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 8" Diam. from 12 ft. to 98 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 11.16" ft. below top of well Date
 Artesian pressure lbs. per square inch Date
 Artesian water is controlled by (Cap, valve, etc.)

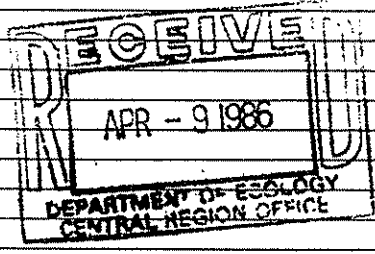
(9) WELL TESTS: Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom?
 Yield: gal./min. with " ft. drawdown after " hrs.
 " " " " " " "
 " " " " " " "

Time	Water Level	Time	Water Level	Time	Water Level

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
 Date of test
 Saller 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
Boulders gravel sand soil	H 0	8
Very large boulders sand and gravel	VVH 8	10
Boulders gravel sand	VVH 10	20
very very very hard going.		
Boulders gravel sand brn	VVH 20	80
trace of clay at 54 ft. First water at 20 ft. water from then on.		
Boulders gravel sand brn	H 80	90
a lot of water		
Sand Boulders gravel	VH 90	100
took water sample good no E-coli		
Lab test came back negative. no E-coli		
Developed well, no smell detected by crew, a trace of sand Ran casing in hole went in fine no tight spots Slight drift to the east.		
SWL 11.6		
Pumped 12" casing full of cement & mud		
Used 11 bags of bentonite (mud) and 4 bags of cement to seal hole approximately 325 GPM from 80 ft.		



Work started 1-24-86, 19 . Completed 2-4-86, 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 RIEBE WELL DRILLING
 (Person, firm, or corporation) (Type or print)
 Address 1503 E. Nob Hill Blvd.
 [Signed] John H. Riebe (Well Driller)
 License No. 0422 Date 2-6-86, 19
 Drilled by Bob Britton & Steve Jones

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name Sarg-Hubbard - Greenway Project Address 16 No. 2nd St. Yak 01

LOCATION OF WELL: County Yakima - NE ¼ SW ¼ Sec. 20 T. 19 N. R. 12 W.M.
Bearing and distance from section or subdivision corner Off freeway & behind Sunfair Chevrolet

(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
Baller 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:

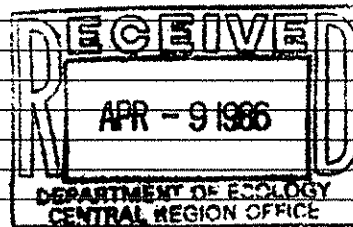
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Set 5 ft. of 80 slot stainless steel screen from 85 to 90 ft.		
Installed 5 ft. of blank riser pipe		
Set 5 ft. of 35 slot stainless steel screen from 95 to 100 ft.		

Developed well. Water is clean and clear. Pulled steel.

This well is cased with 83 ft. of 8" 322 heavy wall casing weighing 28.55 lbs per foot, with shoe.
Then from 81 ft. a K-packer is set and riser (blank) pipe to 85 ft.
85 to 90 is screen
90 to 95 is blank riser pipe
95 to 100 is screen.

Total depth of well is 100 ft.



Work started 2-25-86, 19..... Completed 2-26-86, 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 RIEBE WELL DRILLING
(Person, firm, or corporation) (Type or print)

Address 1503 E. Nob Hill Blvd.

[Signed] (Well Driller)

License No. 0043 Date 3/4/86, 19.....
Drilled by Bob Britton & Steve Jones

WATER WELL REPORT

STATE OF WASHINGTON

Application No. _____
Permit No. _____

(1) OWNER: Name Thermae Inc. Address 1224 1/2 N. 1st. St. Yakima, Wa.

LOCATION OF WELL: County Yakima SW 1/4 SE 18 13 19 Sec. _____ T. _____ N. R. _____ 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 65 ft. Depth of completed well 65 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8" Diam. from 71 ft. to 60 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
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 12 ft. below top of well Date 1/30/82
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 300 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
River rock, & silt	0	20
River rock, silt, & water	20	34
River rock, & water	34	40
Coarse sand, & water	40	50
Gravel & water	50	65

Work started 9/22 19 81 Completed 1/30 19 82

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 Vernon L. Rank
(Person, firm, or corporation) (Type or print)
Address 5503 Ahtenum Rd. Yakima, Wa. 98903
[Signed] Vernon L. Rank
(Well Driller)

License No. 0854 Date 1/30 19 82

WATER WELL REPORT

Start Card No. MONITORING
AB64

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name HRCO Address 914 N. FIRST STREET YAKIMA WA

(2) LOCATION OF WELL: County YAKIMA & NE Sec. 13 T. 13 N. R. 18 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

(4) TYPE OF WORK: Owner's number of well #1 (if more than one)
Abandoned New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 8" inches.
Drilled 25 feet. Depth of completed well 25 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8 Diam. from 0 ft. to 25 ft.
Welded Liner installed Threaded
Type of casing _____
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 Jensen
Type PUC Model No. _____
Diam. 4 Slot size 20 from 10 ft. to 25 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 1/4
Gravel placed from 8 ft. to 25 ft.

Surface seal: Yes No To what depth? 8 ft.
Material used in seal Cement
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 18 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.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

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

MATERIAL	FROM	TO
<u>ASPHALT</u>	<u>0</u>	<u>1</u>
<u>SILTY SAND</u>	<u>1</u>	<u>6</u>
<u>SANDY COBBLES w/ Boulders</u>	<u>6</u>	<u>20</u>
<u>SANDY GRAVEL w/ COBBLES - H²O</u>	<u>20</u>	<u>25</u>

28-0003
DEPARTMENT OF ECOLOGY
GENERAL INVESTIGATION DIVISION
WORK STARTED 2-28-88 19. COMPLETED 2-25 1988

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

ENTERED

NAME Allberry Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 4601 N. Monrovia Suite 214
(Signed) Steve Frickerson License No. 1579 (WELL DRILLER)
Contractor's Registration No. ALLBEDC1480H Date 3-6 1988

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. MONITORING

ABGH

Water Right Permit No. _____

(1) OWNER: Name Arco Address 914 N. First Street Yakima, WA

(2) LOCATION OF WELL: County _____ NE 1/4 Sec 13 T. 13 N. R. 18 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

(4) TYPE OF WORK: Owner's number of well (if more than one) MW # 3

Abandoned New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
 Drilled 25 feet. Depth of completed well 25 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 6 Diam. from 0 ft. to 25 ft.
 Welded Liner installed Diam. from _____ ft. to _____ ft.
 Threaded 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 Johnson
 Type PUC Model No. _____
 Diam. 2 Slot size 20 from 10 ft. to 25 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 1/4
 Gravel placed from 8 ft. to 25 ft.

Surface seal: Yes No To what depth? 8 ft.
 Material used in seal Cement

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 18 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)

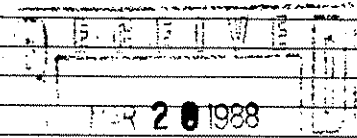
Time	Water Level	Time	Water Level	Time	Water Level

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Asphalt	0	1
Silty sand	1	6
Sandy cobbles w/ boulders	6	20
Sandy gravel H ₂ O	20	25



Work started 2-26-88, 19. Completed 2-26, 1988

WELL CONSTRUCTOR CERTIFICATION:
 I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are to the best knowledge and belief.

DRILLER
 NAME Allberg Drilling Corp (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
 Address 4601 N. Monroe Suite 214
 (Signed) Al. Frickew License No. 1509
 (WELL DRILLER)
 Contractor's Registration No. ALLBERG14704 Date 3-6, 1988

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. MONITORING

AE6H

Water Right Permit No.

(1) OWNER: Name ARCO Address 914 N. FIRST STREET YAKIMA, WA

(2) LOCATION OF WELL: County YAKIMA % NE Sec. 13 T. 13 N. R. 16 W.M.
(2a) STREET ADDRESS OF WELL (or nearest address)

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

(4) TYPE OF WORK: Owner's number of well (if more than one) MW # 2
Abandoned New well Deepened Reconditioned Method: Dug Cable Rotary Bored Driven Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 25 feet. Depth of completed well 25 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 * Diam. from 0 ft. to 25 ft.
Welded * Diam. from _____ ft. to _____ ft.
Liner installed * Diam. from _____ ft. to _____ ft.
Threaded * 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 Johnson
Type PUC Model No. _____
Diam. 2 Slot size 20 from 10 ft. to 25 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 4
Gravel placed from 8 ft. to 25 ft.

Surface seal: Yes No To what depth? 8 ft.
Material used in seal Cement
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 17 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

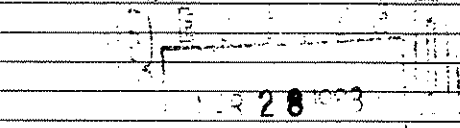
Date of test _____

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
ASPHALT	0	2
Silty fine SAND	2	7
Sandy COBBLES w/ Boulders	7	16
silt - sandy gravel - H ₂ O	16	25



Work started 2-25-89, 19. Completed 2-25, 1989

WELL CONSTRUCTOR CERTIFICATION

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

NAME Allbery Drill Corp (TYPE OR PRINT) (TYPE OR PRINT)

Address 4601 N. MORGAN SUITE 214

(Signed) Steve Erickson License No. 1509
(WELL DRILLER)

Contractor's Registration No. ALLBEDC14ROH Date 3-6, 1988

(USE ADDITIONAL SHEETS IF NECESSARY)

140

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. MONITORING

Water Right Permit No. _____

(1) OWNER: Name ARCO Address 914 N. First Street YAKIMA, WA

(1) LOCATION OF WELL: County _____ N. E. 1/4 Sec. 13 T. 13 N. R. 18 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

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

(5) DIMENSIONS: Diameter of well 8 inches.
 Drilled 25 feet. Depth of completed well 25 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 8 " Diam. from 0 ft. to 25 ft.
 Welded Diam. from _____ ft. to _____ ft.
 Liner installed Diam. from _____ ft. to _____ ft.
 Threaded 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 JOMSON
 Type PVC Model No. _____
 Diam. 4 Slot size 20 from 10 ft. to 25 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 1/4
 Gravel placed from 8 ft. to 25 ft.

Surface seal: Yes No To what depth? 8 ft.
 Material used in seal Cement
 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

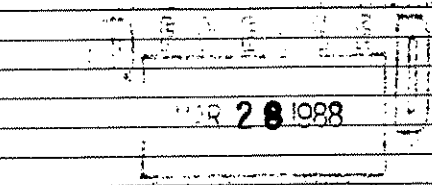
Date of test _____

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Asphalt	0	2
Silty sand	2	8
Sandy cobbles w/ boulders	8	20
Sandy gravel HD	20	25



Work started 2-27-88 19. Completed 2-27 1988

WELL CONSTRUCTOR CERTIFICATION:

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

NAME ALBERTY DRILLING CORP (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 4601 N. MONROE SUITE 214

(Signed) Alberty License No. 1509
 (WELL DRILLER)

Contractor's Registration No. ALBEDC1490H Date 3-6- 1988

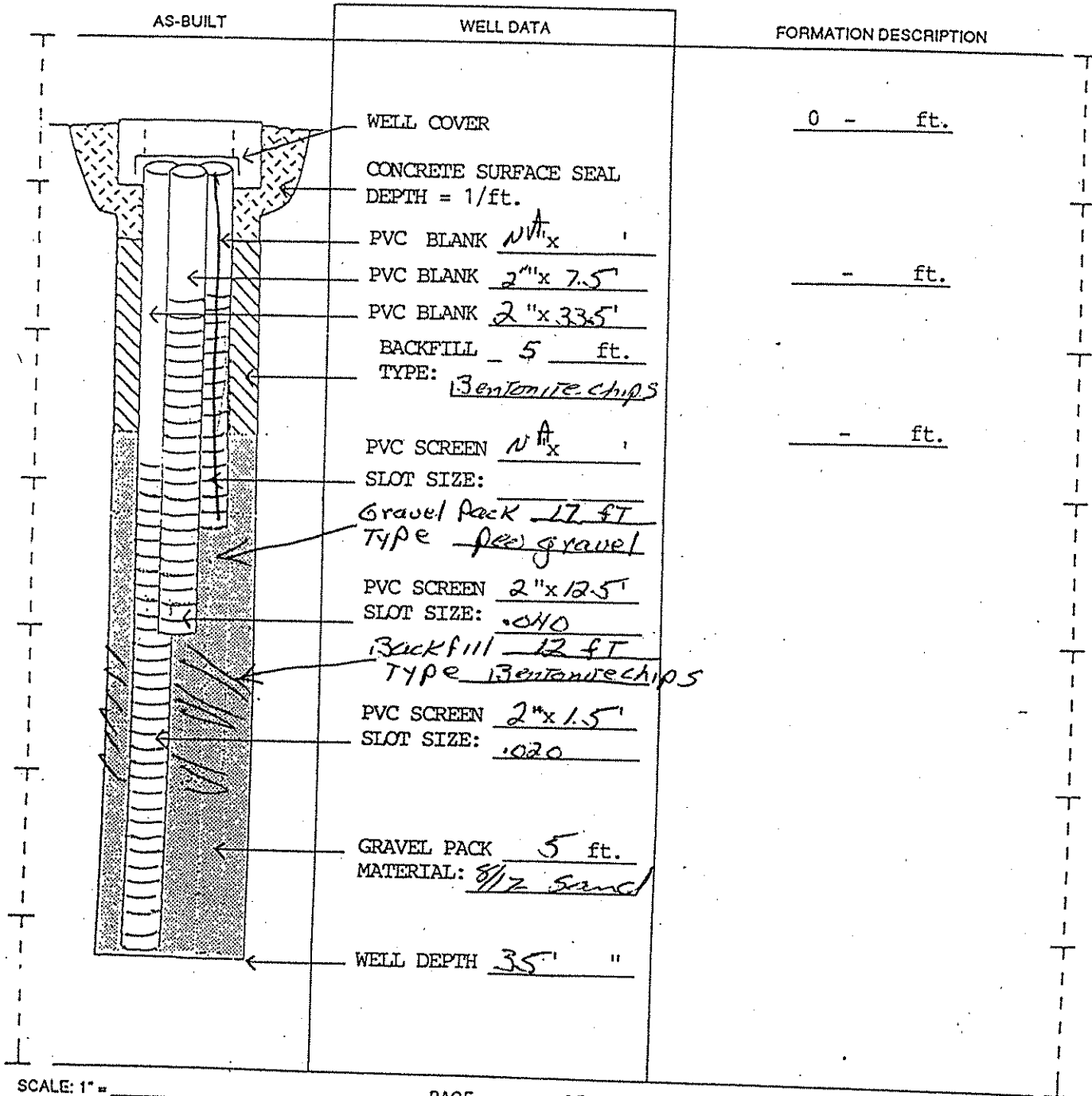
(USE ADDITIONAL SHEETS IF NECESSARY)

RESOURCE PROTECTION WELL REPORT JUN - 1 1993

START CARD NO. 217345

PROJECT NAME: ARLO
 WELL IDENTIFICATION NO. MILW 6
 DRILLING METHOD: AIR ROTARY
 DRILLER: MICHAEL
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: Pacific ENV
 REPRESENTATIVE: LESS BREWER

COUNTY: Benton Yakima
 LOCATION: NE 1/4 Sec 13 Twn 13N R 15E
 STREET ADDRESS OF WELL: 912 N FIRST ST
YAKIMA
 WATER LEVEL ELEVATION: N/A
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: CLUSTER well
 DEVELOPED: NO



SCALE: 1" = _____

PAGE _____ OF _____

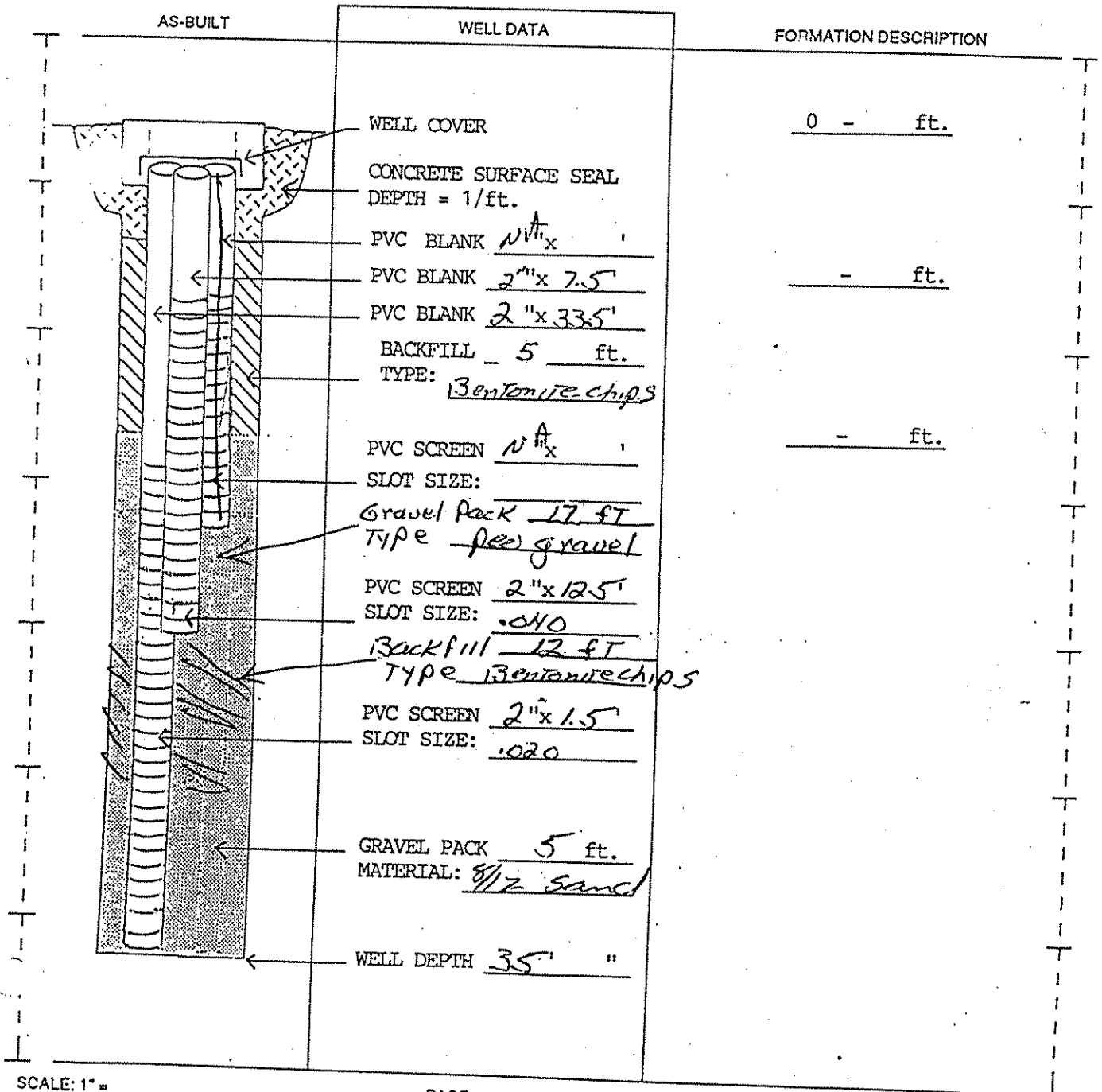
RESOURCE PROTECTION WELL REPORT JUN - 1 1993

START CARD NO. 217395

PROJECT NAME: ARLO
 WELL IDENTIFICATION NO. MW 5
 DRILLING METHOD: Air Rotary
 DRILLER: Michael
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: Michael [Signature]
 CONSULTING FIRM: Pacific ENV
 REPRESENTATIVE: LESS BREWER

COUNTY: Benton Yakima
 LOCATION: NE 1/4 SE 1/4 Sec 13 Twn 13N R 15E
 STREET ADDRESS OF WELL: 912 N FIRST ST
Yakima
 WATER LEVEL ELEVATION: N/A
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: Cluster well
 DEVELOPED: NO

J



RESOURCE PROTECTION WELL REPORT

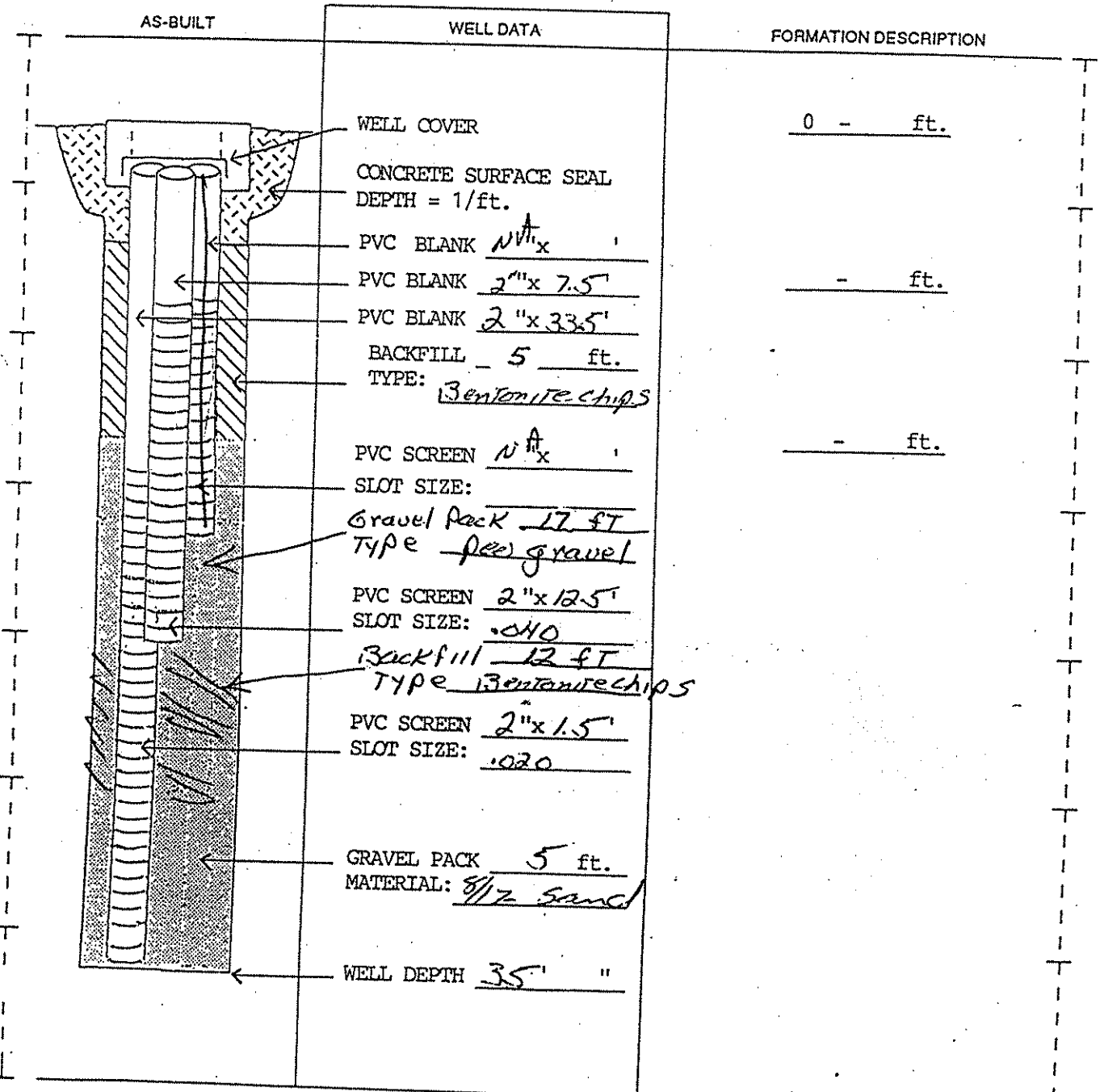
1 - 1993

START CARD NO. 217355

PROJECT NAME: ARCO
 WELL IDENTIFICATION NO. MW 4
 DRILLING METHOD: air rotary
 DRILLER: Michael
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: Pacific ENV
 REPRESENTATIVE: Jess Brewer

COUNTY: Benton Yakima
 LOCATION: NE 1/4 Sec 13 Twn 13N R 19E
 STREET ADDRESS OF WELL: 912 N FIRST ST
Yakima
 WATER LEVEL ELEVATION: N/A
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: cluster well
 DEVELOPED: NO

J



8820

RESOURCE PROTECTION WELL REPORT

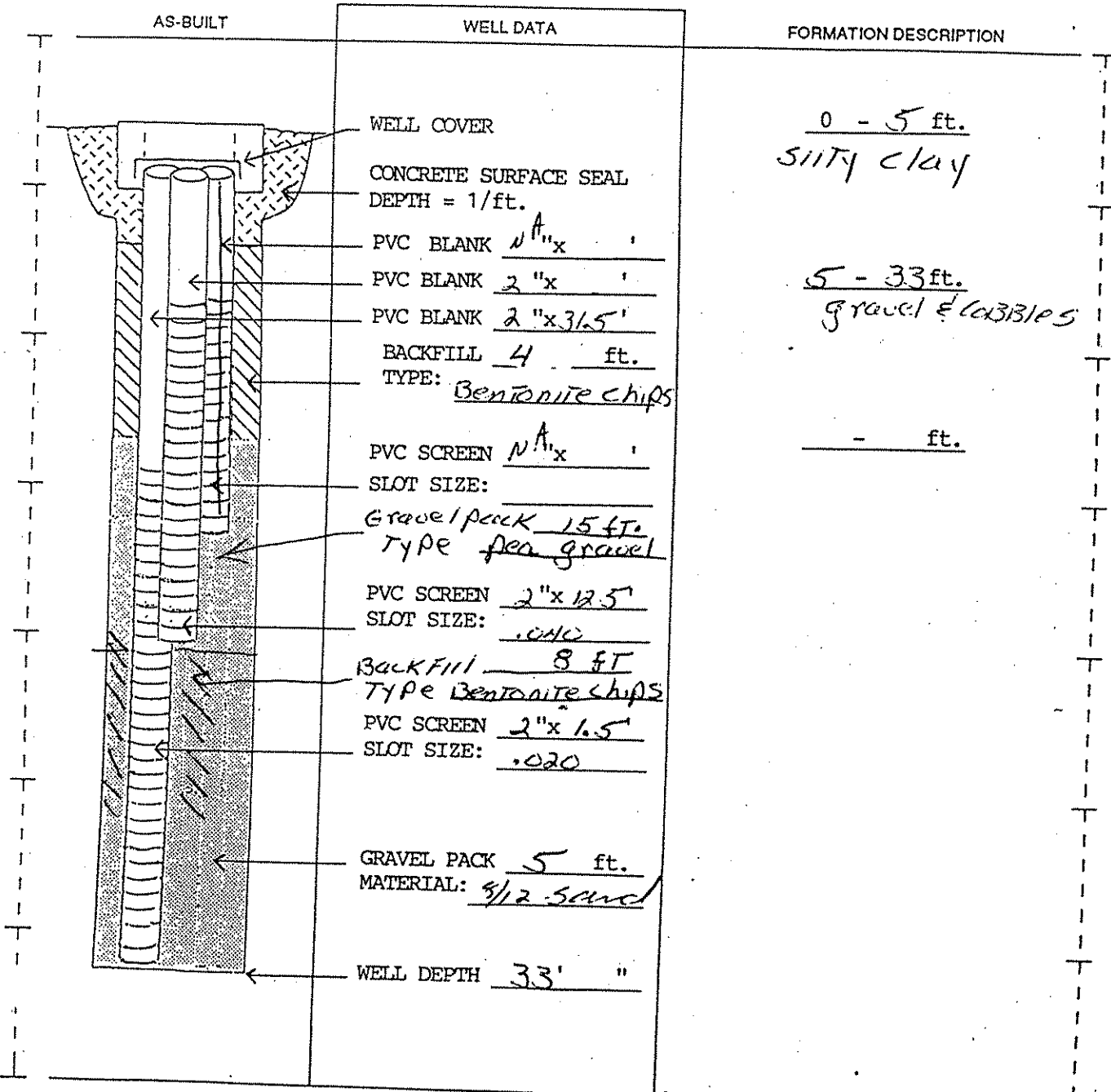
JUN - 1988

START CARD NO. 217388

PROJECT NAME: ARCO
 WELL IDENTIFICATION NO. M.W. 3
 DRILLING METHOD: air rotary
 DRILLER: Michael Colbert
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: Michael Colbert
 CONSULTING FIRM: Pacific ENV
 REPRESENTATIVE: Les Brewer

COUNTY: Benton & Yakima
 LOCATION: NE 1/4 SE 1/4 Sec 13 Twn 13N R 18E
 STREET ADDRESS OF WELL: 912 N First St
Yakima
 WATER LEVEL ELEVATION: N/A
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: cluster well
 DEVELOPED: NO

J



SCALE: 1" = _____

PAGE _____ OF _____

RCY 400 (2/80) (10/88)

RESOURCE PROTECTION WELL REPORT

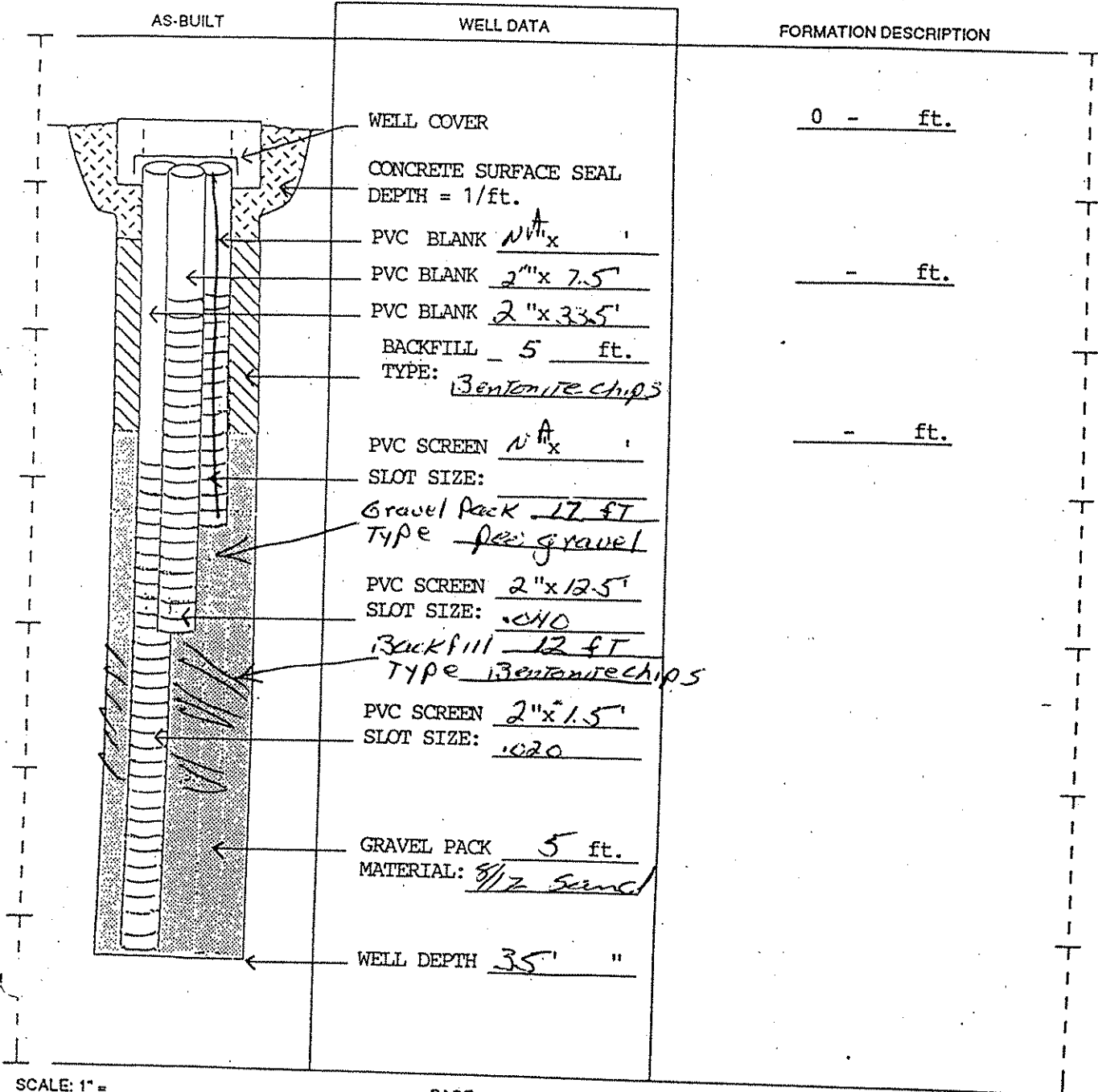
W - 1 1993

START CARD NO. 217384

PROJECT NAME: ARIC
 WELL IDENTIFICATION NO. MW 2
 DRILLING METHOD: Air Rotary
 DRILLER: Michael
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: Michael Lalet
 CONSULTING FIRM: Pacific ENV
 REPRESENTATIVE: LESS BREWER

COUNTY: Benton Yakima
 LOCATION: NE 1/4 Sec 13 Twn 13N R 15E
 STREET ADDRESS OF WELL: 912 N FIRST ST
YAKIMA
 WATER LEVEL ELEVATION: N/A
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: Cluster well
 DEVELOPED: NO

J



SCALE: 1" = _____

PAGE _____ OF _____

RESOURCE PROTECTION WELL REPORT

NOV - 1 1993

PROJECT NAME: ARCO
 WELL IDENTIFICATION NO. MW 1
 DRILLING METHOD: Air Rotary
 DRILLER: Michael
 FIRM: Cascade Drilling, Inc.
 SIGNATURE: Michael
 CONSULTING FIRM: Pacific Env
 REPRESENTATIVE: LESS BREWER

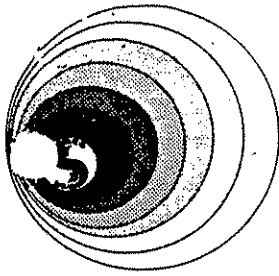
COUNTY: Benton
 LOCATION: NE 1/4 Sec 13 Twn 13N R 18E
 STREET ADDRESS OF WELL: 912 N FIRST ST
Yakima
 WATER LEVEL ELEVATION: N/A
 GROUND SURFACE ELEVATION: N/A
 INSTALLED: Cluster well
 DEVELOPED: NO

J

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER	0 - ft.
	CONCRETE SURFACE SEAL DEPTH = 1/ft.	
	PVC BLANK <u>N/A</u>	
	PVC BLANK <u>2" x 7.5'</u>	- ft.
	PVC BLANK <u>2" x 33.5'</u>	
	BACKFILL <u>5</u> ft. TYPE: <u>Bentonite chips</u>	
	PVC SCREEN <u>N/A</u>	- ft.
	SLOT SIZE: <u>Gravel Pack 17 FT</u> TYPE <u>fine gravel</u>	
	PVC SCREEN <u>2" x 12.5'</u> SLOT SIZE: <u>.040</u>	
	Backfill <u>12 FT</u> TYPE <u>Bentonite chips</u>	
	PVC SCREEN <u>2" x 1.5'</u> SLOT SIZE: <u>.020</u>	
	GRAVEL PACK <u>5</u> ft. MATERIAL: <u>8/12 sand</u>	
	WELL DEPTH <u>35'</u>	

SCALE: 1" =

PAGE OF



SOIL SAMPLING SERVICE, INC.

1415 MERIDIAN EAST, PUYALLUP, WA 98371-1399

FEDERAL ID #: 91-0762274 WA CONT. #SOIL SS*344LO

Geotechnical, Engineering & Mineral Exploration Drilling • Instrumentation • Horizontal Drains
Ground Water Monitoring • Hazardous Waste Identification • Well Abandonments

6782

(206) 927-3173

TELEX: 466762

FAX: (206) 927-3478

JC

RESOURCE PROTECTION WELL REPORT

PROJECT NAME: ALCO

JOB #: 203121 START CARD NO.: 1007729

WELL IDENTIFICATION NO.: EW-1

COUNTY: WASHIA CITY: WASHIA

DRILLING METHOD: AIL ROTARY

LOCATION: NE 1/4 SE 1/4 1/4

DRILLER: G. RUSTENOM

SEC.: 13 TOWN: 13 IV RANGE: 18E

SIGNATURE: [Signature]

DATUM: _____
WATER LEVEL ELEVATION: 104'

CONSULTING FIRM: SOIL SAMPLING SERVICE, INC.

INSTALLED: 3/23/82

REPRESENTATIVE: _____

DEVELOPED: _____

WELL DATA	AS BUILT	FORMATION DESCRIPTION
	<p style="text-align: center;">Dip</p> <p style="text-align: center;">1/4 SECTION</p> <p style="text-align: center;">SOUTH</p>	<p style="text-align: center;">JUN 19 1982</p>

SCALE: 1" = _____

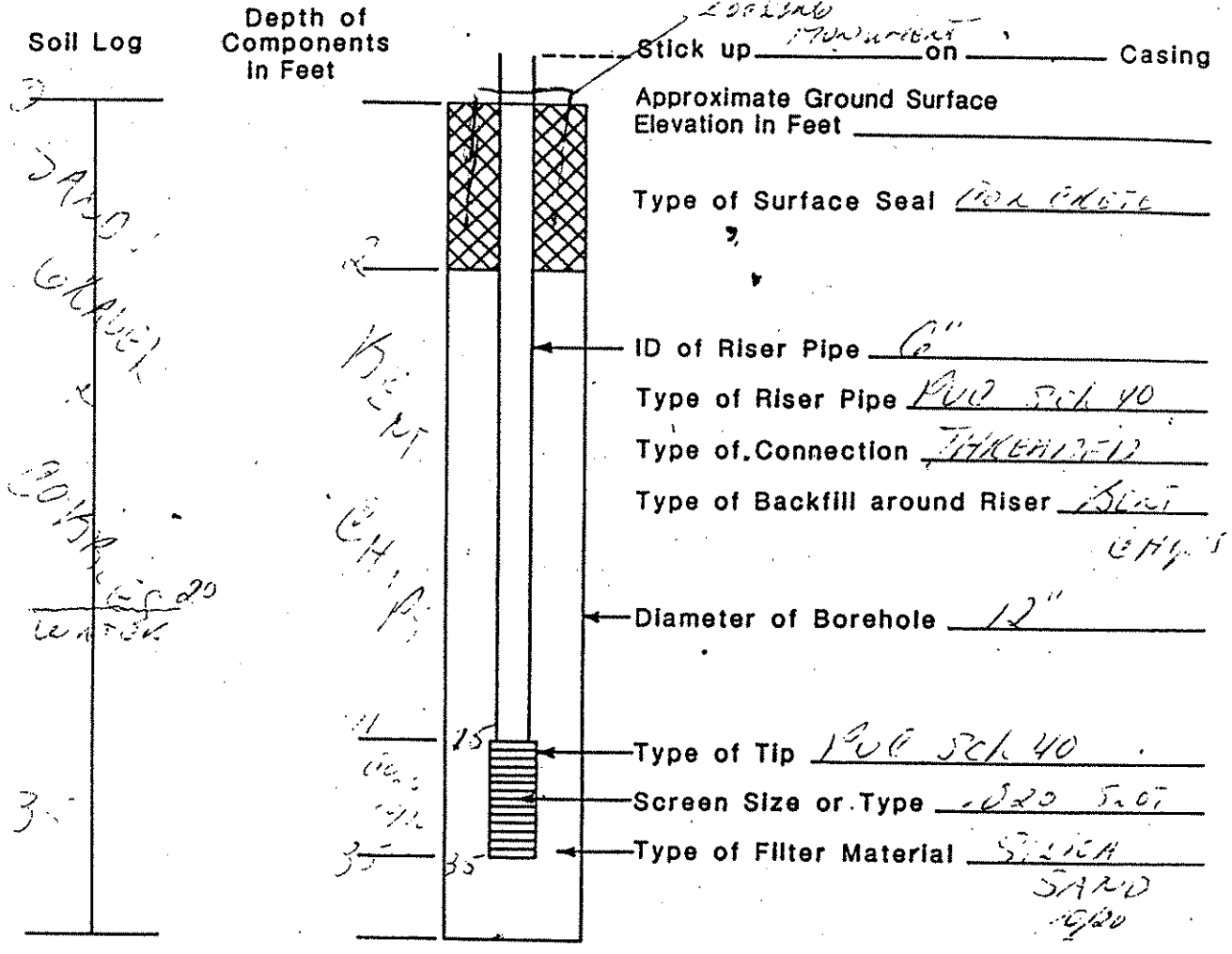
PAGE _____ OF _____

Monitoring Well Installation Report - Boring EU-1

Project AKCO Job No UB341 Date 3/25/92

Location _____ HC Observer _____ Driller K. STEWART

Type of Well (Observation, Sampling, etc.) GAS EXTRACTION



WATER WELL REPORT

Start Card No. 018698

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name CHEVRON

Address P.O. Box 220 Seattle

(2) LOCATION OF WELL: County Yakima

NW 1/4 NE 1/4 Sec 24 T. 13 N., R. 18 E.

(2a) STREET ADDRESS OF WELL (or nearest address) N 5th Ave. + Lincoln Yakima

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Asphalt	0	3"
Crushed Rock	3"	1'
Silty Med Sand + Gravel	1'	5'
Gravel w/ Med Brown Sand	5'	20'

(4) TYPE OF WORK: Owner's number of well (if more than one) MW-1

Abandoned New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 4 inches.
Drilled 20 feet. Depth of completed well 20 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: _____ ft. to _____ ft.
Welded _____ ft. to _____ ft.
Liner installed _____ ft. to _____ ft.
Threaded 4 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 AARDVARK
Type PVC Model No. _____
Diam. 4" Slot size .020 from 20 ft. to 6 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 8-12
Gravel placed from 20 ft. to 3 ft.

Surface seal: Yes No To what depth? 3 ft.
Material used in seal Enviro-Pwg
Did any strata contain unuseable water? Yes No
Type of water? Test Depth of strata 13'
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 13 ft. below top of well Date 1-7-92
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.

Artest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes No

Work started 1-6, 19. Completed 1-7, 1992

WELL CONSTRUCTOR CERTIFICATION:

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

NAME R+R Drilling Inc (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address P.O. Box 555 Puyallup 98371

(Signed) Rocky A. Gillett License No. 1473
(WELL DRILLER)

Contractor's Registration No. CORRDR10804 Date 1-7, 1992

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

Start Card No. 018698

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name CHEVRON

Address P.O. Box 220 Seattle

(2) LOCATION OF WELL: County Yakima NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 24 T 13 R 18 E
(2a) STREET ADDRESS OF WELL (or nearest address) N 5th Ave + Lincoln Yakima

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

(4) TYPE OF WORK: Owner's number of well (if more than one) MW-2
Abandoned New well Deepened Reconditioned
Method: Dug Cable Rotary Bored Driven Jetted

(5) DIMENSIONS: Diameter of well 4 inches.
Drilled 20 feet. Depth of completed well 20 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 4 " Diam. from 0 ft. to 20 ft.
Welded Liner installed Threaded

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 AARDVARK
Type PVC Model No. _____
Diam. 4 Slot size .020 from 20 ft. to 6 ft.

Gravel packed: Yes No Size of gravel 8-12
Gravel placed from 20 ft. to 3 ft.

Surface seal: Yes No To what depth? _____ ft.
Material used in seal ENVIRO-Plug
Did any strata contain unusable water? Yes No
Type of water? Test Depth of strata 13'
Method of sealing strata off _____

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

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 13 ft. below top of well Date 1-7-92
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.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Asphalt	0	3"
Crushed Rock	3"	1'
Silty Sand (Med) + Gravel	1'	5'
Gravel w/ Med Brown Sand	5'	20'

Work started 1-7, 1992. Completed 1-7, 1992

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME R+R Drilling Inc (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address P.O. Box 555 Puyallup 98371
(Signed) Rocky R. Sowell License No. 1473
Contractor's Registration No. EXERCISE ICSJDL Date 1-7-92

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

Start Card No. 018698

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name Chevron

Address P.O. Box 220 Seattle

(2) LOCATION OF WELL: County Yakima NW 1/4 NE 1/4 Sec 24 T. 13 N. R. 18 E

(2a) STREET ADDRESS OF WELL (or nearest address) N. 5th Ave. + Lincoln Yakima

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL

FROM

TO

MATERIAL	FROM	TO
ASPHALT	0	3"
Crushed Rock	3'	1'
Silty Med. Sand + Gravel	1'	5'
Gravel w/ Med Brown Sand	5'	20'

(4) TYPE OF WORK: Owner's number of well (if more than one) MW-3

Abandoned New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 4" inches.
Drilled 20 feet. Depth of completed well 20 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: _____ ft. to _____ ft.
Welded _____ ft. to _____ ft.
Liner installed _____ ft. to _____ ft.
Threaded 4 ft. to 20 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 AARDVARK
Type PVC Model No. _____
Diam. 4 Slot size .020 from 20 ft. to 6 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 8-12
Gravel placed from 20 ft. to 3 ft.

Surface seal: Yes No To what depth? 3 ft.

Material used in seal ENVIKO Plug

Did any strata contain unusable water? Yes No

Type of water? TEST Depth of strata 13'
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 13 ft. below top of well Date 1-7-92
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

_____ _____ _____ _____

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes No

Work started 1-7 19. Completed 1-7 1992

WELL CONSTRUCTOR CERTIFICATION:

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

NAME R & R Drilling Inc.
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address P.O. Box 555 Puyallup 98371

(Signed) Rodney A. Gillett License No. 1473
(WELL DRILLER)
Contractor's Registration No. CCRR0R2110806 Date 1-3 1992

(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

Start Card No. 018698

STATE OF WASHINGTON

Water Right Permit No. 3

OWNER: Name CHURTON Address P.O. Box 220 Seattle

(2) LOCATION OF WELL: County Yakima NW 1/4 NE 1/4 Sec. 24 T. 13 N. R. 18 E

(2a) STREET ADDRESS OF WELL (or nearest address) N. 5th Ave + Lincoln, Yakima

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

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

(5) DIMENSIONS: Diameter of well 4 inches.
Drilled 20 feet. Depth of completed well 20 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: Welded Liner installed Threaded
Diam. from 4 ft. to 4 ft.
Perforations: Yes No
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes No
Manufacturer's Name AARDUARK
Type PVC Model No. _____
Diam. 4 Slot size 020 from 20 ft. to 6 ft.

Gravel packed: Yes No Size of gravel 8-12
Gravel placed from 20 ft. to 3 ft.

Surface seal: Yes No To what depth? 3 ft.
Material used in seal ENVIRO-Plug
Did any strata contain unusable water? Yes No
Type of water? TEST Depth of strata 13'
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 13 ft. below top of well Date 1-8
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 _____
Bailey test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

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

MATERIAL	FROM	TO
Asphalt	0	3"
Crushed Rock	3"	1'
Silty Med. Sand + Gravel	1'	5'
Gravel w/ Med Brown Sand	5'	20'

Work started 1-8, 19____. Completed 1-8, 1992

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.
NAME R+R Drilling Inc. (PERSON, FIRM, OR CORPORATION)
Address P.O. Box 555 Puyallup 98371
(Signed) Robby A. Gillett License No. 1473
Contractor's Registration No. 105DL Date 1-8, 1992

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

Start Card No. 018698

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name Chevron Address P.O. Box 220 Seattle

(2) LOCATION OF WELL: County Yakima NW 1/4 NE 1/4 Sec 24 T. 13 N. R 18 E

(2a) STREET ADDRESS OF WELL (or nearest address) N. 5th Ave. - Lincoln Yakima

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

(4) TYPE OF WORK: Owner's number of well (if more than one) MW-8
Abandoned New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

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

MATERIAL	FROM	TO
ASPHALT	0	3"
CRUSHED ROCK	3"	1'
SILTY MED SAND+GRAVEL	1'	5'
GRAVEL W/MED. BROWN SAND	5'	20'

(5) DIMENSIONS: Diameter of well 4 inches.
Drilled 20 feet. Depth of completed well 20 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: _____ ft. to _____ ft.
Welded _____ ft. to _____ ft.
Liner installed _____ ft. to _____ ft.
Threaded 4 ft. to 20 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 HARDVARK
Type PVC Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. 4" Slot size 0.020 from 20 ft. to 6 ft.

Gravel packed: Yes No Size of gravel 8-12
Gravel placed from 20 ft. to 3 ft.

Surface seal: Yes No To what depth? 3 ft.
Material used in seal ENVIRO-PLUG
Did any strata contain unusable water? Yes No
Type of water? TEST Depth of strata 13'
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 13 ft. below top of well Date 1-9-92
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

Work started 1-9, 1992. Completed 1-9, 1992

(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.

WELL CONSTRUCTOR CERTIFICATION:

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

NAME R+R Drilling Inc (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address P.O. Box 555 Puyallup 98371

(Signed) Bochey A. Aylfield License No. 1473
(WELL DRILLER)

Contractor's Registration No. CCORRDR110804 Date 1-9, 1992

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

Start Card No. A 21209

STATE OF WASHINGTON

Water Right Permit No. N/A

(1) OWNER: Name Union Gospel Mission Address 13 S. Front St. Yakima WA 98901

LOCATION OF WELL: County Yakima SE 1/4 NE 1/4 Sec. 24 T. 13 N. R. 18 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) Second Avenue and Yakima Avenue, Yakima WA 98902

(3) PROPOSED USE: Domestic Irrigation Industrial Municipal
N/A DeWater Test Well Other

(10) WELL LOG or (ABANDONMENT PROCEDURE DESCRIPTION)

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

MATERIAL	FROM	TO
<u>concrete</u>	<u>0</u>	<u>12'</u>
<u>contrasted density fill</u>	<u>12'</u>	<u>24'</u>

(4) TYPE OF WORK: Owner's number of well (if more than one) N/A

Abandoned New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Dimensions Diameter of well 36 x 36 inches.
Dug 24 feet. Depth of completed well 24 ft.

1 gallon of purex added through a tremie before placement of fill began

(6) CONSTRUCTION DETAILS: concrete 36" x 36"

Casing installed: concrete 36" x 36" Diam. from 0 ft. to 12 ft.
Welded Diam. from _____ ft. to _____ ft.
Liner installed Diam. from _____ ft. to _____ ft.
Threaded Diam. from _____ ft. to _____ ft.

See variance attached

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 N/A
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 12 ft. below top of well Date 2/1/94
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

Work started 2/1 1994 Completed 2/1 1994

(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.

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Bradley J. Card
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 1120 W. Lincoln Ave, Yakima WA 98907

(Signed) Bradley J. Card License No. 1694
(WELL DRILLER)

Contractor's Registration No. KENLEE2010D Date 2/2 1994

(USE ADDITIONAL SHEETS IF NECESSARY)



WATER WELL REPORT

Start Card No. 058804

STATE OF WASHINGTON

Water Right Permit No.

(1) OWNER: Name U.S. Bank Address 404 W. Yakima Ave. Yakima, WA

(2) LOCATION OF WELL: County Yakima SW 1/4 NW 24 T. 13 N., R. 18 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 404 W. Yakima Ave. Yakima, WA

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

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

(5) DIMENSIONS: Diameter of well 6" inches.
 Drilled 18'0" feet. Depth of completed well 18'0" ft.

(6) CONSTRUCTION DETAILS: Removed
 Casing installed: 6" Diam. from 0'0" ft. to 18'0" ft.
 Welded Liner installed Threaded
 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 Johnson
 Type PVC Model No. _____
 Diam. 2" Slot size 010 from 8'0" ft. to 18'0" ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 10/20 Silica
 Gravel placed from 6'0" ft. to 18'0" ft.

Surface seal: Yes No To what depth? 6'0" ft.
 Material used in seal Hole Plug (Bentonite)
 Did any strata contain unusable water? Yes No
 Type of water? Contaminated (Fuel) Depth of strata 8' to 18'
 Method of sealing strata off Being Monitored

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

(8) WATER LEVELS: Land-surface elevation above mean sea level _____
 Static level 9'8" ft. below top of well Date 9-4-92
 Artesian pressure N/A lbs. per square inch Date N/A
 Artesian water is controlled by _____ (Csg. 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)

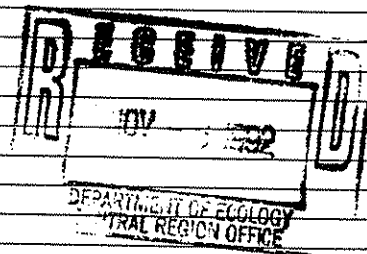
Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
 Bailer test N/A gal./min. with _____ ft. drawdown after _____ hrs.
 Airstest N/A gal./min. with stem set at _____ ft. for _____ hrs.
 Artesian flow N/A g.p.m. Date _____
 Temperature of water 64.3 Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Pea Gravel (Back-fill Mater)	0'0"	8'0"
Medium to fine sand some gravel and silt (water at 8'0")	8'0"	12'6"
Gravel and small cobbles	12'6"	18'0"
Coarse sand (wet)		
Ground Water fr. 8'0" to 18'0" TD		



Work started 9-4-92, 19. Completed 9-4-92, 19.92

WELL CONSTRUCTOR CERTIFICATION:

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

ENV. WEST EXP

NAME Mark E. Kemmis (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 4328 N. Post Spokane WA.

(Signed) Mark E. Kemmis License No. 2068 (WELL DRILLER)

Contractor's Registration No. ENWIRWE101PP Date 9-15, 19.92

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

STATE OF WASHINGTON

28312
Permit No. _____

(1) OWNER: Name Dentan Associates Address 315 So. Holton, Suite 201, Yakima, WA
LOCATION OF WELL: County YAKIMA Section 24 T. 13 N. R. 18 W.M.
Be g and distance from section or subdivision corner Parcel # 181324-33408; Lot 2 & Lot 3, Block 3 Highland Add.

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 2
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 240 & 220 ft. Depth of completed well SAME ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 3 ft. to 205 ft.
Threaded Diam. from 4 ft. to 80 ft.
Welded Diam. from 80 ft. to 220 ft.
Perforations: Yes No
Type of perforator used MILLS KNIFE
SIZE of perforations 3/8 in. by 3 in.
28 perforations from 133 ft. to 139 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 CLAY
Did any strata contain unusable water? Yes No
Type of water: _____ Depth of strata: _____
Method of sealing _____

(7) PUMP: Manufacturer's Name Jacuzzi
Type: Submersible HP. 5

(8) WATER LEVELS: Land-surface elevation 1050 ft. above mean sea level.
Static level 0 ft. below top of well Date 12/22/82
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? _____
Field: _____ 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
------	-------------	------	-------------	------	-------------

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
WELL # 1 SOURCE WELL		
GRAVEL & BOULDERS	0	50
BROWN SANDY CLAY & DEC. ROCK	50	60
BLACK COURTS SAND NO WATER	60	70
SANDSTONE (WTR 20 GPM)	70	75
CEMENT GRAVELL	75	80
LAYERD HD. BR. CLAY & GRAVEL	80	115
V. HB RED ROCK BASALT	115	117
CEMENT GRAVEL	117	120
SAND & GRAVEL SM WTR (6 GPM)	120	137
RED ROCK & GRAVEL V. HD.	137	155
GRAVEL & SAND 6 GPM.	155	160
RED ROCK & GRAVEL HD. & THT.	160	175
CEMENT GRAVEL	175	180
RED ROCK & GRAVEL NO WATER	180	194
SANDSTONE & GRAVEL 6 GPM	194	196
CEMENT GRAVEL	196	205
DECOMPOSED ROCK, GRAVEL & CLAY		
LENSES APROX. 30 GPM.	205	240
PERFORATED 133' TO 139' NOW APROX 50 GPM		

INJECTION WELL SOME WHAT SIMILAR EXCEPT IT WAS A BETTER PRODUCER 40' STATIC BOTH WELLS APROX. 100' APART

RECEIVED
DENTAN ASSOCIATES
CENTRAL

Work started 12/10/82 Completed 12/22/82

WELL DRILLER'S STATEMENT:

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

NAMERIEBE WELL DRILLING (D.B. TAYLOR & TAT)
Person, firm, or corporation: _____ Type or print)

Address YAKIMA, WASH.

(Signed) _____
Well Driller

License No. 421 Date 12/29, 82

WATER WELL REPORT

Application No.

STATE OF WASHINGTON

Permit No.

(1) OWNER: Name YAKIMA PLATING Address 1504 1/2 S. 3rd

LOCATION OF WELL: County YAKIMA SE 1/4 SE 1/4 Sec. 36 T. 13 N. R. 18 W.M.
bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic Industrial Municipal
Monitoring Well 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 37 ft. Depth of completed well 27 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 3" Diam. from 41 ft. to 22 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 Hydrophilics
Type HYDROPHILICS Model No.....
Diam. 3 Slot size 1/20 from 22 ft. to 27 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes No
Gravel placed from 37 ft. to 17 ft.

Surface seal: Yes No To what depth? 17 ft.
Material used in seal Common Portland Cement
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.....
Static level 112.6 ft. below top of well Date 5/16/86
Artesian pressure lbs. per square inch Date.....
Artesian water is controlled by..... (Cap, valve, etc.)

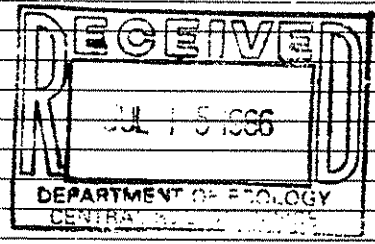
(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?.....
Yield: gal./min. with ft. drawdown after hrs.

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: M/W-1
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
<u>TOPSOIL silty</u>	<u>0</u>	<u>2</u>
<u>silty clay sand</u>	<u>2</u>	<u>6 1/2</u>
<u>sandy w/ fine gravel</u>	<u>6 1/2</u>	<u>9 1/2</u>
<u>fine gravel w/ fine sand</u>	<u>9 1/2</u>	<u>16 1/2</u>
<u>Clay</u>	<u>16 1/2</u>	<u>17</u>
<u>Gravel coarse w/ sand</u>	<u>17</u>	<u>27</u>



Work started 5/12 1986 Completed 5/19 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 Bryant Well Drilling (Person, firm, or corporation) (Type or print)
Address 29875 N.E. Wilson - 1/2 Rd
NE. Gibson St. 277132
[Signed] William E. Bryant (Well Driller)

License No. 0998 Date 7/31, 1986

WATER WELL REPORT

STATE OF WASHINGTON

Application No. _____

Permit No. _____

(1) **OWNER:** Name YAKIMA PLATING Address 1800 1/2 W. 2nd St. Yakima
LOCATION OF WELL: County YAKIMA - SE 1/4 Sec 36 T. 13 N. R. 18E W.M.

Beginning and distance from section or subdivision corner

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

(4) **TYPE OF WORK:** Owner's number of well (if more than one) 11W-2
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) **DIMENSIONS:** Diameter of well 6 inches.
 Drilled 19 ft. Depth of completed well 19 ft.

(6) **CONSTRUCTION DETAILS:**
 Casing installed: 2" Diam. from 11 1/2 ft. to 14 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 Hydrex/Allic
 Type RVC Model No. _____
 Diam. 2" Slot size .020 from 14 ft. to 19 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel: 1/2" Sand
 Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? 11 1/2 ft.
 Material used in seal Cement/Plaster
 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: Submersible H.P. 5

(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.

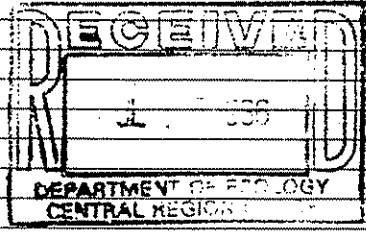
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
 Bailor 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:** 11W-2
 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
Coarse Gravel w/ Sand	0	4
Coarse Sand w/ Gravel	4	6 1/2
Coarse Gravel w/ Sand	6 1/2	19



Work started 2/27 1986 Completed 3/22 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 Mygas? Well Drilling (Person, firm, or corporation) (Type or print)
 Address 12895 N.E. Wilsonville Rd
Newberg, OR 97132
 [Signed] [Signature] (Well Driller)
 License No. 0778 Date 2/27 1986

WATER WELL REPORT

STATE OF WASHINGTON

Application No. _____

Permit No. _____

(1) **OWNER:** Name Yankinco Drilling Address 1211 1/2
LOCATION OF WELL: County Yankinco SE 1/4 SE 1/4 Sec 36 T. 13 N. R. 18E W.M.
 bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic Industrial Municipal
Monitoring well Irrigation Test Well Other
 (4) **TYPE OF WORK:** Owner's number of well 1
 if more than one) _____
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) **DIMENSIONS:** Diameter of well 6 inches.
 Drilled 25 ft. Depth of completed well 25 ft.

(6) **CONSTRUCTION DETAILS:**
 Casing installed: 2" Diam. from 1/2 ft. to 15 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 Hydro-Alliance
 Type PI Model No. _____
 Diam. 2 1/2 Slot size 1/8 from 1 1/2 ft. to 1 1/2 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel: 1/2
 Gravel placed from 1 1/2 ft. to 15 ft.

Surface seal: Yes No To what depth? 1 1/2 ft.
 Material used in seal Concrete
 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 _____
 Static level 15 1/2 ft. below top of well Date 2/29/86
 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.

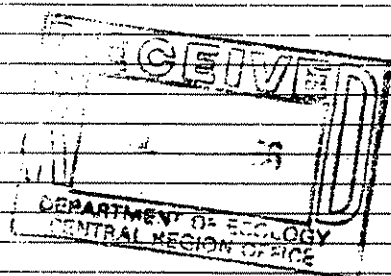
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

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
1 1/2" casing	0	1
2 1/2" casing	1	6 1/2
2 1/2" casing	6 1/2	9 1/2
2 1/2" casing	9 1/2	16
2 1/2" casing	16	25



Work started 2/29 1986 Completed 2/29 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 Kingdom Well Drilling
 (Person, firm, or corporation) (Type or print)
 Address 22875 NE Wilsonville Rd
Newberg, OR 97132
 [Signed] _____
 (Well Driller)
 License No. 0776 Date 2/29 1986

WATER WELL REPORT

STATE OF WASHINGTON

Application No. _____
 Permit No. _____

(1) OWNER: Name YAKIMA WATER Address 1209 1/2 3rd
 LOCATION OF WELL: County YAKIMA - SE 1/4 SE 1/4 Sec 36 T. 13 N. R. 18 W.M.

(3) PROPOSED USE: Domestic Industrial Municipal
Monitoring Well Irrigation Test Well Other
 (4) TYPE OF WORK: Owner's number of well (if more than one) 1/1111-2/
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
 Drilled 2-3 ft. Depth of completed well 25 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 2" Diam. from -1 ft. to 17 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 hydrophobic
 Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. 2 Slot size 6/28 from 17 ft. to 25 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No MON. 4" gravel
 Gravel placed from 17 ft. to 25 ft.

Surface seal: Yes No To what depth? 14 ft.
 Material used in seal Cement/Sand
 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 _____ ft. above mean sea level.
 Static level 15 1/2 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 _____
 Bailor 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
<u>Fine Gravel 3/4"</u>	<u>0</u>	<u>1</u>
<u>Silty Clay w/ 20% silt</u>	<u>1</u>	<u>6 1/2</u>
<u>Hard FINE SAND</u>	<u>6 1/2</u>	<u>9 1/2</u>
<u>Hard Gravel w/ FINE SAND</u>	<u>9 1/2</u>	<u>16</u>
<u>Coarse SAND w/ Gravel</u>	<u>16</u>	<u>25</u>

Work started 5/25/86 1986 Completed 6/5 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 Dejans Well Drilling
 (Person, firm, or corporation) (Type or print)
 Address 1600 1/2 3rd Yakima WA
 [Signed] Dejans
 (Well Driller)

License No. 0178 Date 6/5 1986

ENVIRONMENTAL WELL REPORT

PROJECT NAME: YAKIMA CHEVRON 520-37.01
 WELL IDENTIFICATION NO. A 685
 DRILLING METHOD: HOLLOW STEM AUGER
 DRILLER: TOM BANTA
 FIRM: HAYES DRILLING, INC.
 SIGNATURE: *Tom Banta*
 CONSULTING FIRM: PACIFIC ENVIRON. GROUP
 REPRESENTATIVE: KATIE ROBERTSON

START CARD NO: 219076
 LOCATION: T 13 R 19E SEC 18
 DISTANCE: SE ¼
 SW ¼
 DATUM: ABANDONMENTS
 WATER LEVEL ELEVATION:
 INSTALLED: 03/24/93
 DEVELOPED: 03/24/93
 DEPTH DRILLED: 20' COMPLETED: 20'

AS BUILT	WELL DATA	FORMATION DESCRIPTION
	<p>0'-1' Concrete seal</p> <p>1'-20' Abandoned w/ Cement grout from top down</p> <p>Pressure grouted from top down</p>	<p>0'-3' Dark brown silty sand w/ gravel</p> <p>3' Brown fine gravel w/cobbles sand & silt</p>
<p>RECEIVED APR 13 1993 DEPT OF ECOLOGY</p>		
<p>THIS LOG FOR 8 ABANDONMENTS THE SAME</p>		

WATER WELL REPORT

STATE OF WASHINGTON

Application No. WRI 37
 Permit No. G4-27555

(1) **OWNER:** Name YAKIMA COUNTY Address ROOM 401 COUNTY COURT HOUSE
 (2) **LOCATION OF WELL:** County YAKIMA NW 14 NW 14 Sec. 19 T. 13 N., R. 19 W. W. M.
 Bearing and distance from section or subdivision corner W 1/2 BLK 9 VOL. E-1 OF PLATS LOT 17 BLK. 9

(3) **PROPOSED USE:** Domestic Industrial Municipal
 Irrigation Test Well Other HEAT PUMP
 (4) **TYPE OF WORK:** SOURCE WELL GEO THERMAL
 Owner's number of well (if more than one) 2
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) **DIMENSIONS:** Diameter of well 12 inches.
 Drilled 8.17 ft. Depth of completed well 8.17 ft.

(6) **CONSTRUCTION DETAILS:**
 Casing installed: 18" Diam. from +2 ft. to 30 ft.
 Threaded 16" Diam. from +2 1/2 ft. to 27.5 ft.
 Welded 12" Diam. from +3 ft. to 8.17 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 SEE ATT. SHEET
 Manufacturer's Name.....
 Type P. S. ST. ST. JOHNSON No.....
 Diam. 1.2 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? 27.5 ft.
 Material used in seal CEMENT GROUT
 Did any strata contain unusable water? Yes No
 Type of water CONTAMINATED Depth of strata 30
 Method of sealing strata CEMENTED

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

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 1030 ft.
 Static level 40 ft. below top of well Date 3/22/83
 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? AKLAND
 Yield: gal./min. with ft. drawdown after hrs.

SEE ATT: SHEET
 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 3/17/83
 Bailor test..... gal./min. with ft. drawdown after hrs.
 Artesian flow..... g.p.m. Date.....
 Temperature of water 74 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 & SOIL FILL SUR. WTR 13!	0	1
SAND, GRAVEL & BLDRS E. BERG)	15	13
TAN CLAY	132	137
SAND, GRAVEL & BLDRS. WTR. CAVING	133	165
LGE BOULDERS & CLAY	165	185
BLDRS, SAND, GRAVEL CLAY, E. BERG	185	206
LAYERS CLAY, SAND & GRAVEL	206	244
HARD CEMENT GRAVEL & BLDRS	244	249
LAYERS SAND, GRAVEL & BLDRS.	249	304
RED SANDY CLAY	304	312
LAYERS CLAY, SAND & GRAVEL	312	334
BLDRS, SAND, GRAVEL (E. BERG)	334	340
SAND, GRAVEL, BLDRS, W. CLAY BIND.	340	365
CLAY W. LAYERS FINE SAND WTR.	365	395
SAND, GRAVEL & BLDRS. E. BERG.	395	411
SOFT BR. CLAY & SAND WTR.	411	422
SAND, GRAVEL, BR. CLAY	422	440
HD. BR. CLAY, W. SAND & GRAVEL	440	480
SANDSTONE, GRAVEL & CLAY	480	486
TAN CLAY SHALE, SANDSTONE & GRA	486	495
FINE SANDSTONE & GRAVEL	495	501
LAYERD CLAY, SNDSTN, GRAVEL WTR	501	530
SND STN, GRAVEL, SANDY CLAY CAVI.	530	545
SNDY CLAY W. FINE SAND STN "	545	555
FINE & COURSE SND STN CAVING	555	605
SNDSTN W. BLUE & BR. SHALE	605	615
SANDSTONE & GRAVEL & WATER	615	620
SANDY CLAY & SANDSTONE "	620	655
SANDSTONE & GRAVEL & WATER	655	667
BLUE SANDY CLAY SHALE. (SQUEEZ	667	670
SND STN GRAVEL & CLAY SHALE	670	675
HD SND STN & GRAVEL (CEMENT GR.)	675	690
SANDY BLUE CLAY SQUEEZE IN	690	705
LAYERS BLUE & BR. CLAY & SAND	705	718
BLUE CLAY & SAND	718	730
SND STN W. THIN CLAY LAYERS	730	805
SND STN GRAVEL & WATER	805	815

WELL DRILLER'S STATEMENT: CEMENT GR. 815-81
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME RIEBE WELL DRILLING
 (Person, firm, or corporation) (Type or print)
 Address 1503 E. NOB HILL BLVD YAKIMA, WASH.
 [Signed]..... (Well Driller)
 License No. 421 Date 3/26/83 19.....

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 427555
 Permit No. _____

(1) **OWNER:** Name YAKIMA COUNTY Address RM 401 COURT HOUSE
 (2) **LOCATION OF WELL:** County YAKIMA - NW 1/4 NW 1/4 Sec. 19, T. 13 N., R. 19 E. W.M.
 and distance from section or subdivision corner W 1/2 BLK 9 VOL. E-1 OF PLATS LOT 17-BLK 9

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

(4) **TYPE OF WORK:** Owner's number of well 1
 (if more than one) _____
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) **DIMENSIONS:** Diameter of well 12 inches.
 Drilled 600 ft. Depth of completed well 600 ft.

(6) **CONSTRUCTION DETAILS:**
 Casing installed: 16 " Diam. from +2' ft. to 190 ft.
 Threaded 12 " Diam. from +2' ft. to 480 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 JOHNSON
 Type EVERDUR WM304SS Model No. 12" I.D.
 ATTACHED Slot size _____ from _____ ft. to _____ ft.
 Diam. 120 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? 190 ft.
 Material used in seal CEMENT GROUT
 Will any strata contain unusable water? Yes No
 Type of water _____ Depth of strata _____
 Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name INJECTION WELL
 Type GROUND WATER TO AIR DISCHARGE

(8) **WATER LEVELS:** Land-surface elevation 819 1060
 above mean sea level.
 Static level 61 ft. below top of well Date 7/10/82
 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? AKLAND
 Yield: _____ gal/min. with _____ ft. drawdown after _____
SEE ATTACHED SHEET

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 _____
 Slug test _____ gal/min. with _____ ft. drawdown after _____
 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 FILL	0	20
SAND, GRAVEL, BLDRS, DEC. ROCK	20	28
BOULDERS SAND, GRAVEL " "	28	87
SAND, GRAVEL & BLDRS.	87	127
BROWN CLAY	127	129
BOULDERS & GRAVEL	129	142
SAND, GRAVEL, BLDRS & CLAY	142	162
SAND, GRAVEL & BOULDERS	162	205
SANDY SLAY & LGE BOULDERS	205	217
CLAY BOULDERS & GRAVEL	217	377
SANDSTONE, GRAY CLAY & GRAVEL	377	415
BROWN STICKEY CLAY SANDY	415	430
BROWN SANDSTONE	430	435
BROWN CLAY	435	442
BR. CLAY SNDSTM & GRAVEL	442	462
LAYERD CLAY, SNDSTM & GRAVEL	462	495
GRAY SANDY CLAY	495	535
GRAY CLAY & BOULDERS	535	546
BROWN CLAY	546	552
SANDSTONE, CLAY & BOULDERS	552	572
GRAY CLAY, SANDSTONE & BOULDERS	572	582
LAYERD CLAY, SNDSTM & BOULDERS	582	596
BROWN CLAY, SANDSTONE & GRAVEL	596	600

FORMATION MOSTLY ELLENSBERG & SIMILAR TO A GLACIAL MORAIN DEPOSITED DURING ANCIANT FLOODS, BOULDERS WASHED & DEPOSITED & SIFT & SAND & DECOMPOSED ROCK & CLAY BINDERS.

REGISTERED
 NOV 24 1982

Work started 5/10/82 10 _____ Completed 9/23/82 10 _____

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 RIEBE WELL DRILLING (D.B. BRITTON,
 (Person, firm, or corporation) (Type or print)
 Address 1503 E. NOB HILL BV. YAKIMA, WA. 9890
 (Signed) [Signature]
 (Well Driller)
 License No. 421 Date 11/21/82, 19____

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) **OWNER:** Name K.A.Y.O. OIL CO. Address 12215 MAIN ST. CHATTANOOGA, TENN. 37408

(2) **LOCATION OF WELL:** County YAKIMA - NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19 T. 13N. R. 19W.M.

..... 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) MW 3
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) **DIMENSIONS:** Diameter of well 6 inches.
 Drilled 28 ft. Depth of completed well 28 ft.

(6) **CONSTRUCTION DETAILS:** DRIVE SHOE
 Casing installed: 6" Diam. from 1 ft. to 13 ft.
 Threaded .280" Diam. from ft. to ft.
 Welded " Diam. from ft. to ft.

Perforations: Yes No 6" TO 4" REDUCER
 Type of perforator used 4" LOCKING CAP
 SIZE of perforations in. by in.
 perforations from ft. to ft.
 perforations from ft. to ft.
 perforations from ft. to ft.

Screens: Yes No 3 1/2 x .250 STANDPIPE
 Manufacturer's Name JOHNSON L-TYPE
 Type SAWLESS STEEL Model No. PACKER
 Diam. 6 Slot size 10 from 13 ft. to 28 ft.
 Diam. 6 Slot size 12 from 13 ft. to 18 ft.

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

Surface seal: Yes No To what depth? 13 ft.
 Material used in seal BENTONITE / CEMENT
 Did any strata contain unusable water? Yes No
 Type of water? Depth of strata
 Method of sealing strata off.....

(7) **PUMP:** Manufacturer's Name DRIVE OVER VALVE PUMP
 Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation ft. above mean sea level.
 Static level 18 ft. below top of well Date 12-21-87
 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 112 pump test made? Yes No If yes, by whom? DRILLER
 Yield: 1 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)

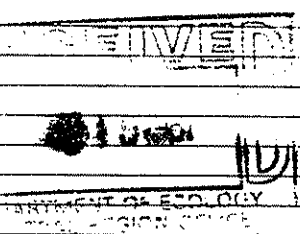
Time	Water Level	Time	Water Level	Time	Water Level
.....

Date of test
 Bailor test 1/2 gal./min. with ft. drawdown after hrs.
 Artesian flow g.p.m. Date 12-21-87
 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
CONCRETE	0'	1'
SAND-GRAVEL-CORBLES (DRY)	1'	13'
SAND-GRAVEL-BOULDERS	13'	28'
WATER BEARING AT 13'		



Work started 12-20 1987 Completed 12-21 1987

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 ALBERT DRILLING CORP.
 (Person, firm, or corporation) (Type or print)

Address 2100 N. MOUNTAIN AVE SUITE 214
SPokane, WA 99205

[Signed] Steven L. Hillery
 (Well Driller)

License No. 4 Date 1-20 1987



WATER WELL REPORT

STATE OF WASHINGTON

Application No. _____

Permit No. _____

(1) OWNER: Name K.A.T.O. CO. INC. Address 1221 E. MAIN ST. CHATTANOOGA, TENN. 37402

(2) LOCATION OF WELL: County YAKIMA — R.W. 1/4 S.W. 1/4 Sec. 12 T. 13 N., R. 19 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) M.W. #1
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
 Drilled 29 ft. Depth of completed well 28 ft.

(6) CONSTRUCTION DETAILS: DRIVE SHOES
 Casing installed: 12" Diam. from 1 ft. to 13 ft.
 Threaded 2 1/2" Diam. from _____ ft. to _____ ft.
 Welded _____" Diam. from _____ ft. to _____ ft.

Perforations: Yes No 4" LOCKING CAP
 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 5" X 5 X .250 STANDPIPE K-TYPE
 Manufacturer's Name JOHNSON Packer
 Type STAINLESS STEEL Model No. _____
 Diam. 6 Slot size 10 from 18 ft. to 28 ft.
 Diam. 6 Slot size 12 from 13 ft. to 28 ft.

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

Surface seal: Yes No To what depth? 13 ft.
 Material used in seal DEMONITE / CEMENT
 Are any strata contain unusable water? Yes No
 Type of water: _____ Length of strata: _____
 Method of sealing strata off: _____

(7) PUMP: DRIVE OVER VALVE BOX
 Manufacturer's Name _____ Type _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation _____ ft.
 above mean sea level. _____ ft.
 Static level 19 ft. below top of well Date 12-23-86
 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
AIR
 Was a permeability test made? Yes No If yes, by whom? DRILLER
 Yield: 1 gal./min. with _____ ft. drawdown after _____ hrs.

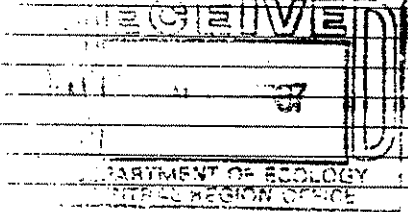
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
 Sailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m. Date 12-23-86
 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
CONCRETE	0'	1'
SAND-GRAVEL-COBBLERS	1'	3'
CAS LINE	3'	3'-3"
SAND	3'-3"	4'
SAND-GRAVEL-BOULDER (DR)	4'	13'
SAND-GRAVEL (DR)	13'	18'
SAND-GRAVEL-BOULDER	18'	28'
WATER BEARING		



Work started 12-21 1986 Completed 12-23 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 ALLBERY DRILLING COOP.
 (Person, firm, or corporation) (Type or print)
N. 1001 MORGAN SUITE 214
 Address SPokane, WA 99205

(Signed) Steven Z Allbery
 (Well Driller)

License No. 4 Date 1-21 1987

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 1
Permit No.

(1) OWNER: Name K.A.Y.O. OIL CO. Address 1221 E. MAIN ST., CHATTANOOGA, TENN. 37408
(2) LOCATION OF WELL: County YAKIMA - NW 1/4 NW 1/4 Sec. 19 T. 13 N., R. 19 W.M.
...ing 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) MW 1
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter or well 6 inches.
Drilled 31 ft. Depth of completed well 29 ft.

(6) CONSTRUCTION DETAILS: DEWESHOE
Casing installed: 6 " Diam. from 1 ft. to 14 ft.
Threaded 280 " Diam. from ft. to ft.
Welded " Diam. from ft. to ft.
Perforations: Yes No 6" TO 4" REDUCER & LOCKING CAP
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 5" X 5" X .250 STAINLESS K-TYPE PACIER
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No.
Diam. 6 Slot size 10 from 19 ft. to 29 ft.
Diam. 6 Slot size 12 from 14 ft. to 19 ft.

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

Surface seal: Yes No To what depth? 14 ft.
Material used in seal BENTONITE CEMENT
Did any strata contain unusable water? Yes No
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: DRIVE OVER VALVE BOX
Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 18 ft. below top of well Date 12-19-86
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

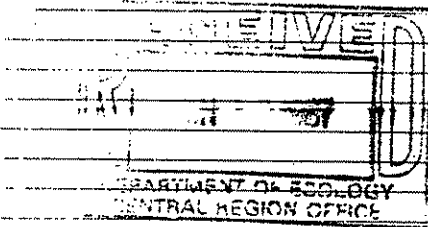
(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a AIR pump test made? Yes No If yes, by whom? DRILLER
Yield: ? gal./min. with ft. drawdown after hrs.

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
Pump test: 6 gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date 12-19-86
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
CONCRETE	0'	1'
SAND-GRAVEL (FINE) DRY	1'	4'
SAND-GRAVEL-COBBLER DRY	4'	13'
SAND (FINE)	13'	15'
SAND-GRAVEL-BOULDERS (DRY)	15'	18 1/2'
SAND-GRAVEL-BOULDERS WATER BEARING	18 1/2'	31'



Work started 12-17 1986 Completed 12-19 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 ALLBEY DRILLING CORP.
(Person, firm, or corporation) (Type or print)
N. 4601 MOURDE SUITE 211
Address SPOKANE, WA 99205
[Signed] Steven L. Albey
Well Driller
License No. 4 Date 1-20 1987

WATER WELL REPORT

STATE OF WASHINGTON

Application No. _____

Permit No. _____

(1) OWNER: Name K.A.Y.O. OIL CO. Address 1221 E. MAIN ST. CHATTANOOGA, TENN. 37408

(2) LOCATION OF WELL: County YAKIMA — N.W. 1/4 N.W. 1/4 Sec. 19 T. 13 N. R. 19 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 M.W. 2
 (if more than one)
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
 Drilled 28 ft. Depth of completed well 28 ft.

(6) CONSTRUCTION DETAILS: DRIVESHOE
 Casing installed: 6" Diam. from 1 ft. to 13 ft.
 Threaded .288" Diam. from _____ ft. to _____ ft.
 Welded _____" Diam. from _____ ft. to _____ ft.
 Perforations: Yes No
6" TO 1" REDUCER
 Type of perforator used: 1" LOCKING CAP
 SIZE of perforations _____ in. by _____ in.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.
 _____ perforations from _____ ft. to _____ ft.

Screens: Yes No
5" X 5" .250 STANDPIPE
 Manufacturer's Name: JOHNSON K-TYPE PACKER
 Type: STAINLESS STEEL Model No. _____
 Diam. 6 Slot size 10 from 13 ft. to 28 ft.
 Diam. 6 Slot size 12 from 13 ft. to 18 ft.

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

Surface seal: Yes No To what depth? 13 ft.
 Material used in seal: BENTONITE CEMENT
 Did any strata contain unusable water: Yes No
 Type of water? _____ Depth of strata _____
 Method of sealing strata off _____

(7) PUMP: DRIVE OVER VALVE BOX
 Manufacturer's Name _____ Type _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation _____ ft. above mean sea level.
 Static level 18 ft. below top of well Date: 12-20-86
 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 AIR test made? Yes No If yes, by whom? DRILLER
 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 _____
 Sealer test: ? gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m. Date: 12-20-86
 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
CONCRETE	0'	1'
SAND-GRAVEL (FINE-DRY)	1'	7'
SAND-GRAVEL-BOULDERS (DRY)	7'	18'
SAND-GRAVEL (COARSE) WATER BEARING	18'	20'
SAND-GRAVEL-BOULDERS WATER BEARING	20'	28'

Work started 12-19 1986 Completed 12-20 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: ALLBERY DRILLING CORP.
 (Person, firm, or corporation) (Type or print)
N. 4601 MONROE SUITE 214
 Address: SPOKANE, WA, 99205

(Signed) Steven L. Allbery
 (Well Driller)

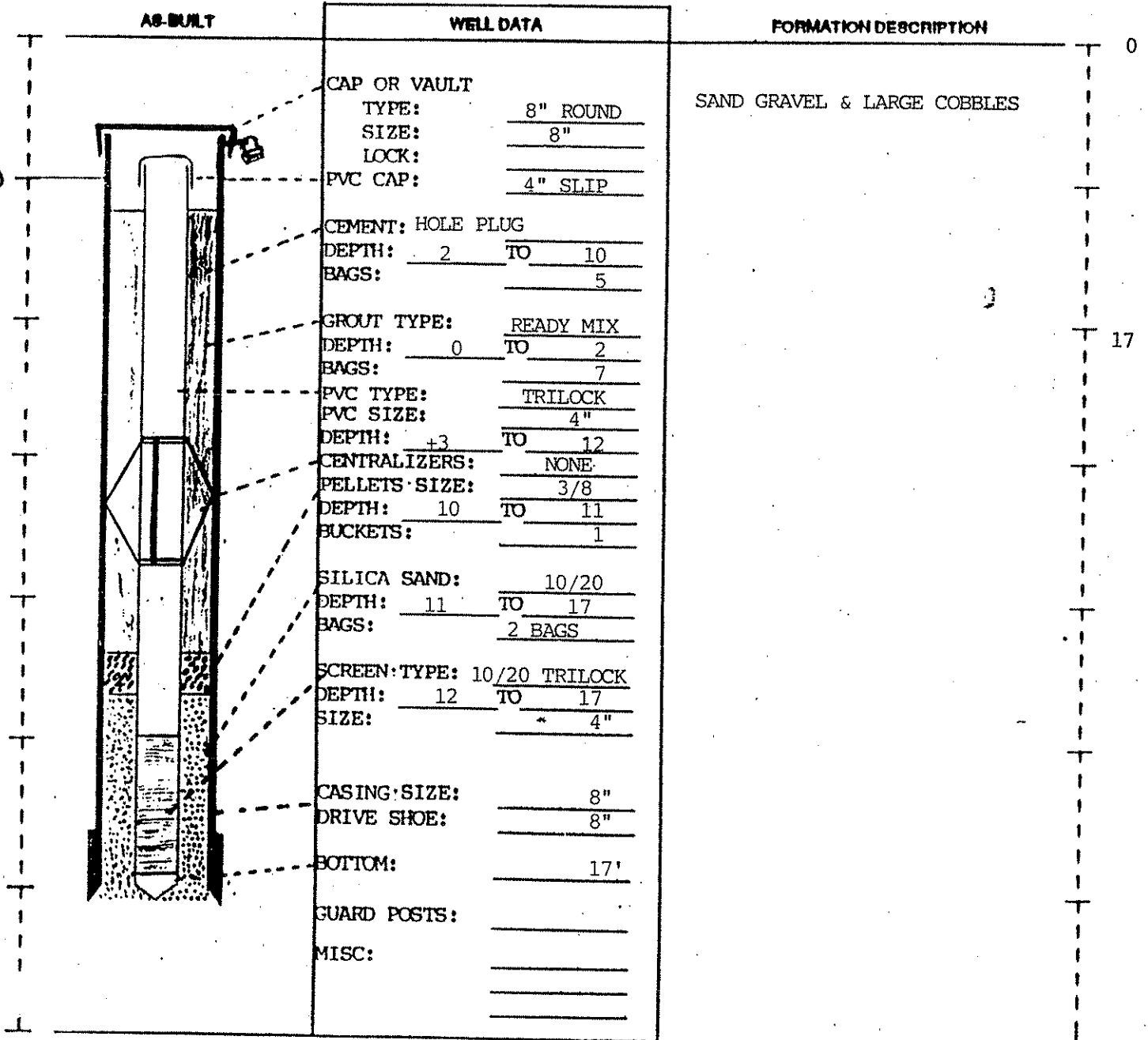
License No. 4 Date: 1-20 1987

RESOURCE PROTECTION WELL REPORT

START CARD No. 056615

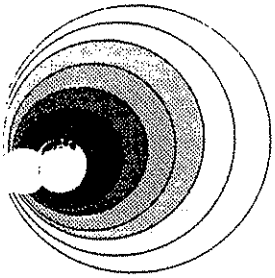
PROJECT NAME: WASHINGTON CENTRAL RAILROAD
 WELL IDENTIFICATION NO. MW-1
 DRILLING METHOD: AIR ROTARY
 DRILLER: ROGER KELLY
 FIRM: PONDEROSA DRILLING & DEVELOPMENT, INC.
 SIGNATURE: Roger Kelly 2004
 CONSULTING FIRM: P.L.S.A.
 REPRESENTATIVE: _____

COUNTY: YAKIMA
 LOCATION: S1/4 NW1/4 Sec 19 Twn 13N R 19E
 STREET ADDRESS OF WELL: _____
 WATER LEVEL ELEVATION: _____
 GROUND SURFACE ELEVATION: _____
 INSTALLED: _____
 DEVELOPED: _____



SCALE: 1" = _____

PAGE _____ OF _____



SOIL SAMPLING SERVICE, INC.

1415 MERIDIAN EAST, PUYALLUP, WA 98371-1399

FEDERAL ID #: 91-0762274 WA CONT. #SOIL SS*344LO

Geotechnical, Engineering & Mineral Exploration Drilling • Instrumentation • Horizontal Drains
Ground Water Monitoring • Hazardous Waste Identification • Well Abandonments

9269

(206) 927-3173

TELEX: 466762

FAX: (206) 927-3478

RESOURCE PROTECTION WELL REPORT

PROJECT NAME: WASHING MACHINERY BANK

JOB #: 43277 START CARD NO.: 219083

WELL IDENTIFICATION NO.: SOIL SAMPLES 1, 2, 3

COUNTY: YAKIMA CITY: YAKIMA

DRILLING METHOD: AIR RIGGED

LOCATION: 1/4 SW 1/4 NW 1/4

DRILLER: P. KETUMATS 1611

SEC.: 19 TOWN: 13N RANGE: 1E

SIGNATURE: P. Ketumats

DATUM: _____

CONSULTING FIRM: HART PROWSE

WATER LEVEL ELEVATION: _____

REPRESENTATIVE: _____

INSTALLED: 6/22/93

DEVELOPED: _____

WELL DATA	AS BUILT	FORMATION DESCRIPTION
	C H 1 P S	GRAVELLY SILTY SAND FILL 9 SANDY WATER 13 GRAVEL 20

SCALE: 1" = _____

PAGE _____ OF _____

6565

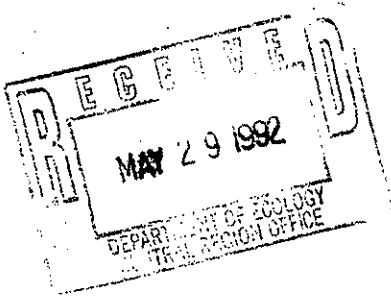
(A)

RESOURCE PROTECTION WELL REPORT

START CARD NO. 054175

PROJECT NAME: NC MACHINERY CO.
 WELL IDENTIFICATION NO. MW-2
 DRILLING METHOD: AIR ROTARY
 DRILLER: LYNN BARTHOLOMEW
 FIRM: BARTHOLOMEW DRILLING, INC.
 SIGNATURE: *Lynn Bartholomew*
 CONSULTING FIRM: CH2M HILL
 REPRESENTATIVE: KATHRYN A. GEHWELER

COUNTY: YAKIMA
 LOCATION: 1/4 1/4 Sec 20 Twn 13N R 19E
 STREET ADDRESS OF WELL: 2100 TERRACE HTS DR.
YAKIMA, WA
 WATER LEVEL ELEVATION: 1017.31
 GROUND SURFACE ELEVATION: _____
 INSTALLED: 2/11/92
 DEVELOPED: 2/11/92

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	SEE ATTACHED SHEET	

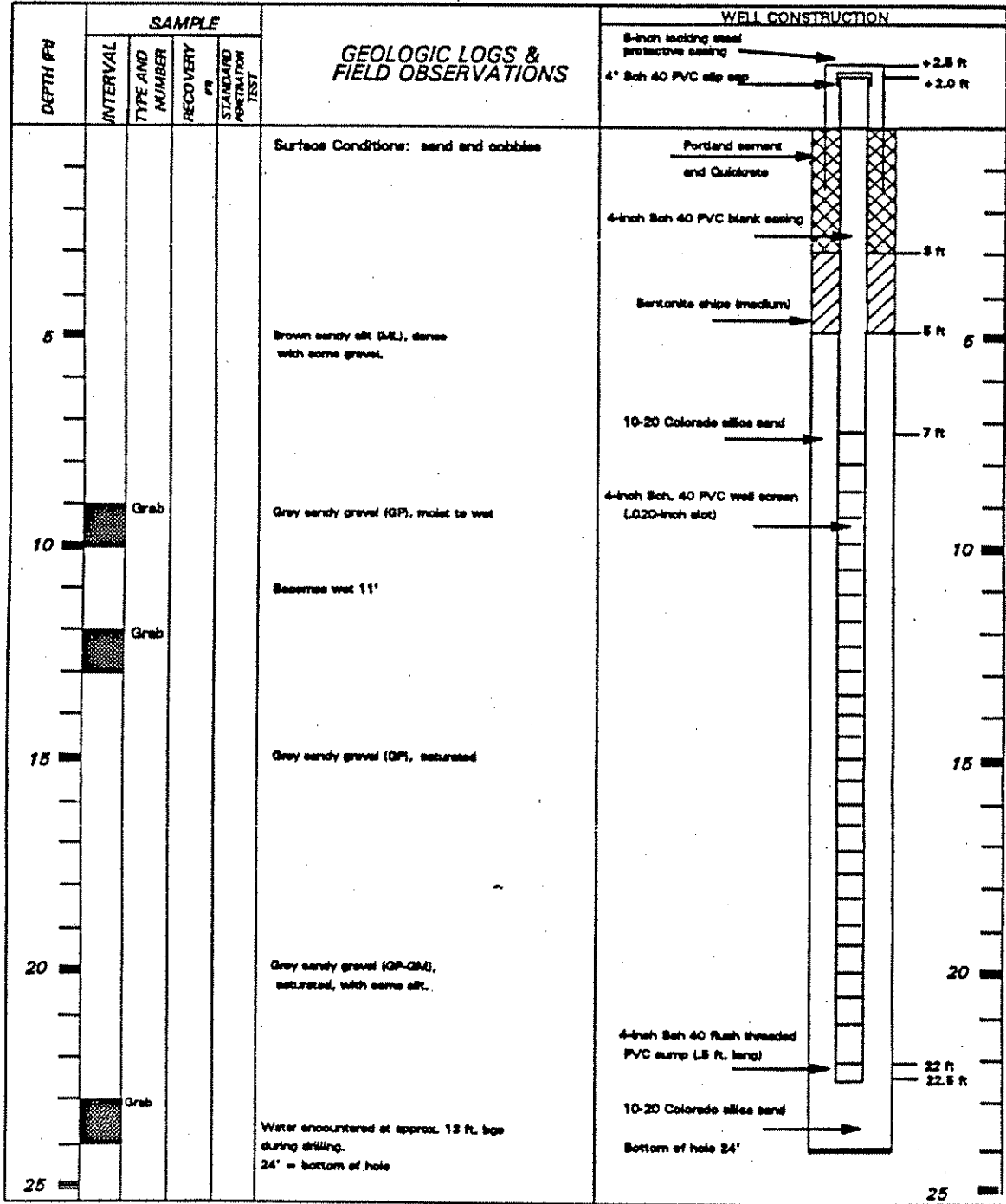
SCALE: 1" = _____

PAGE 1 OF 1



MONITORING WELL GEOLOGIC & CONSTRUCTION LOG		
PROJECT NUMBER SEA27892.R1	WELL NUMBER MW-2	SHEET 1

PROJECT NC Machinery	LOCATION Near oil/water separator
ELEVATION (TOP OF PVC WELL CASING) 1029.0	SURFACE ELEVATION 1027.0
WATER LEVEL ELEVATION 1017.31	START DATE 2/10/92
DRILLING CONTRACTOR Bartholomew Brothers	FINISH DATE 2/11/92
DRILLING METHOD CP 650 WS Air Rotary Drill	HYDROGEOLOGIST Kathy Gehweiler



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

2787
 Start Card No. 209028

Water Right Permit No. _____

(1) OWNER: Name CH2m Hill Address _____

LOCATION OF WELL: County Yakima NE $\frac{1}{4}$ Sec. 20 T. 13N N., R. 19E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) Yakima Ave # 782

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

(4) TYPE OF WORK: Owner's number of well (if more than one) SB# 3
 Abandoned New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
 Drilled 25 feet. Depth of completed well 25 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: lin. Diam. from 0 ft. to -25 ft.
 Welded Diam. from _____ ft. to _____ ft.
 Liner installed
 Threaded Diam. from _____ ft. to _____ ft.

Perforations: Yes No
 Type of perforator used back saw
 SIZE of perforations .020 in. by 1 in.
 _____ perforations from 20 ft. to 25 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 8/12 sand
 Gravel placed from 25 ft. to 17 ft.

Surface seal: Yes No To what depth? 17 ft.
 Material used in seal Bentonite chips
 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: N/A 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 _____
 Bailor test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Airstest _____ gal./min. with stem set at _____ ft. for _____ hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

SB# 3	MATERIAL	FROM	TO
	<u>top soil, dark brown</u>	<u>0</u>	<u>2</u>
	<u>silty sand, some gravel, to large cobbles, dark gray</u>	<u>2</u>	<u>25</u>
	<u>water at 9 ft.</u>		

Work started 4-30, 1993 completed 4-30, 1993

WELL CONSTRUCTOR CERTIFICATION:

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

NAME ENVIRONMENTAL WEST EXP, INC
 (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
 Address P.O. Box 11095 Spo, WA 99211
 (Signed) Dan Claassen License No. 1827
 (WELL DRILLER)
 Contractor's Registration No. ENVRWEICPP Date 5-10, 1993

(USE ADDITIONAL SHEETS IF NECESSARY)



WATER WELL REPORT

Start Card No. 209028

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name CH2M Hill Address _____

LOCATION OF WELL: County Yakima NE 1/4 Sec. 20 T. 13N, R. 19E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) YAKIMA Ave & I 82

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
<u>top soil, some gravel, dark brown</u>	<u>0</u>	<u>3</u>
<u>silty sand, gravel, large cobbles, light, dark gray</u>	<u>3</u>	<u>20</u>
<u>water at 12 ft.</u>		

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

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 20 feet. Depth of completed well 20 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: lin. Diam. from 0 ft. to -20 ft.
Welded Diam. from _____ ft. to _____ ft.
Liner installed Diam. from _____ ft. to _____ ft.
Threaded Diam. from _____ ft. to _____ ft.

Perforations: Yes No
Type of perforator used hack saw
SIZE of perforations .020 in. by 1 in.
perforations from 15 ft. to 20 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 8/12 sand
Gravel placed from 20 ft. to 13 ft.

Surface seal: Yes No To what depth? 13 ft.
Material used in seal Bentonite chips
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name N/A
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.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

Work started 4-29 1993 completed 4-29 1993

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME ENVIRONMENTAL WEST EXP, INC
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

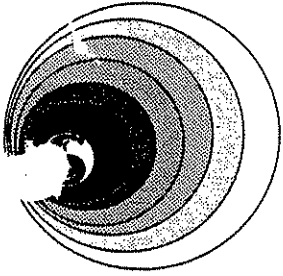
Address P.O. Box 11095, Spo, WA 99211

(Signed) Dan Claman License No. 1827
(WELL DRILLER)

Contractor's Registration No. ENVIRWEI01PP Date 5-10 1993

(USE ADDITIONAL SHEETS IF NECESSARY)





SOIL SAMPLING SERVICE, INC.

1415 MERIDIAN EAST, PUYALLUP, WA 98371-1399

FEDERAL ID #: 91-0762274 WA CONT. #SOIL SS*344LO

Geotechnical, Engineering & Mineral Exploration Drilling • Instrumentation • Horizontal Drains
Ground Water Monitoring • Hazardous Waste Identification • Well Abandonments

(206) 927-3173

(206) 838-9494

TELEX: 466762

FAX: (206) 927-3478

RESOURCE PROTECTION WELL REPORT

PROJECT NAME: CHEUKOW STATION
WELL IDENTIFICATION NO: # 0-1 0-4 0-5
DRILLING METHOD: AIR ROTARY
DRILLER: A. KETUNITS 1611

JOB # 102655 START CARD NO: 102655

COUNTY YAKIMA CITY YAKIMA

LOCATION: 1/2 RW 1/2 RW 1/2

SEC: 20 TOWN: BN RANGE: 11E

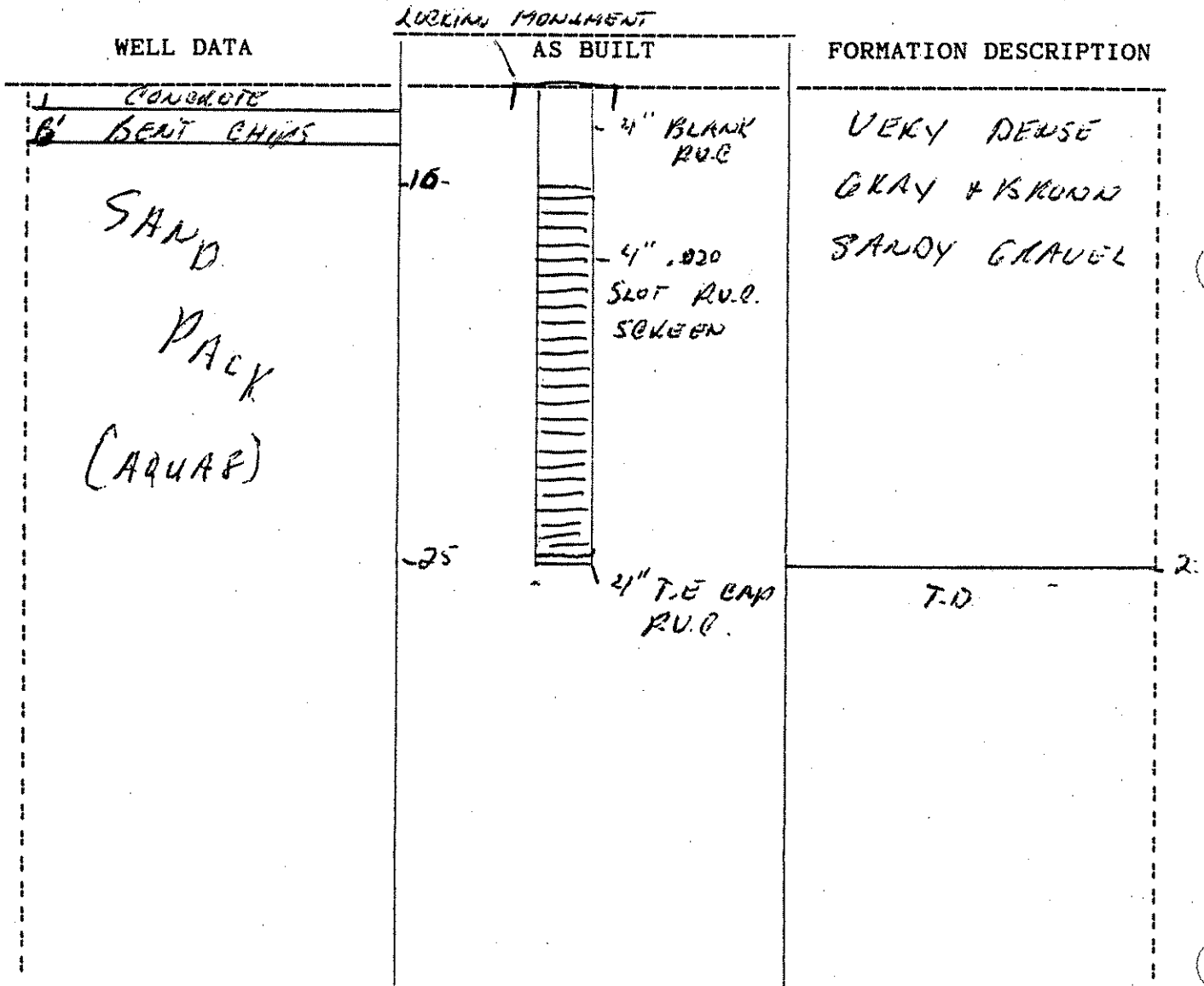
DATUM: _____

SIGNATURE: A. Ketunits
CONSULTING FIRM: KITTELHOUSE ZEMMAN
REPRESENTATIVE: KIRK WATKIN

WATER LEVEL ELEVATION: _____

INSTALLED: 4-28-89

DEVELOPED: _____



SCALE: 1" = 8'

PAGE 1 OF 1

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) **OWNER:** Name Sarg-Hubbard - Greenway Project Address 16 North 2nd St Yak 01

LOCATION OF WELL: County Yakima NE 1/4 SW 20 T. 13 N. R. 19 W.M.
Bearing and distance from section or subdivision corner Off freeway & behind Sunfair Chevrolet

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

(4) **TYPE OF WORK:** Owner's number of well (if more than one) 1
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) **DIMENSIONS:** Diameter of well 8 inches.
Drilled 100 ft. Depth of completed well 130 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 8" Diam. from 12 ft. to 98 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 1112 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

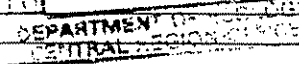
(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Boulders gravel sand soil H	0	8
Very large boulders sand and gravel	VVH	8 10
Boulders gravel sand	VVH	10 20
very very very very hard going.		
Boulders gravel sand brn	VVH	20 80
trace of clay at 54 ft. First water at 20 ft. water from then on.		

Boulders gravel sand brn H 80 90
a lot of water
Sand Boulders gravel VH 90 100

took water sample good no E-coli
Lab test came back negative, no E-coli

Developed well, no smell detected by crew, a trace of sand Ran casing in hole went in fine no tight spots Slight drift to the east.
SWL 11.6
Pumped 12" casing full of cement & mud
Used 11 bags of bentonite (mud) and 4 bags of cement to seal hole approximately 325 GPM from 80 ft.



Work started 1-24-86, 19____ Completed 2-4-86, 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 RIEBE WELL DRILLING
(Person, firm, or corporation) (Type or print)
Address 1503 E. Nob Hill Blvd.
[Signed] [Signature]
(Well Driller)

License No. 0422 Date 2-6-86, 19____
Drilled by Bob Britton & Steve Jones

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name Sarg-Hubbard - Greenway Project Address 16 No. 2nd St. Yak 01

LOCATION OF WELL: County Yakima - NE 1/4 SW 1/4 Sec. 20 T. 19 N. R. 12 W.M.

Bearing and distance from section or subdivision corner Off freeway & behind Sunfair Chevrolet 3 19

(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:

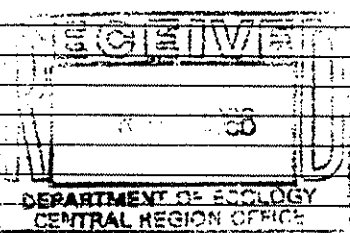
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Set 5 ft. of 80 slot stainless steel screen	85	90
Installed 5 ft. of blank riser pipe		
Set 5 ft. of 35 slot stainless steel screen	95	100

Developed well. Water is clean and clear. Pulled steel.

This well is cased with 83 ft. of 8" 322 heavy wall casing weighing 28.55 lbs per foot, with shoe.
Then from 81 ft. a K-packer is set and riser (blank) pipe to 85 ft.
85 to 90 is screen
90 to 95 is blank riser pipe
95 to 100 is screen.

Total depth of well is 100 ft.



Work started 2-25-86, 19..... Completed 2-26-86, 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 RIEBE WELL DRILLING
(Person, firm, or corporation) (Type or print)

Address 1503 E. Nob Hill Blvd.

[Signed]
(Well Driller)

License No. 0043 Date 3/4/86, 19.....
Drilled by Bob Britton & Steve Jones

WATER WELL REPORT

STATE OF WASHINGTON

2817

Start Card No. _____

E

Water Right Permit No. _____

(1) **OWNER:** Name Cummins Northwest, Inc. Address 1905 Central Ave., Yakima, WA 98901

(2) **LOCATION OF WELL:** County Yakima SW 1/4 NW 1/4 Sec 29 T. 13 N., R. 19 W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) 1905 Central Ave., Yakima, WA 98901

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

(4) **TYPE OF WORK:** Owner's number of well (if more than one) 1, 2, 3, 4 & 5
 Abandoned New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) **DIMENSIONS:** Diameter of well 4 inches.
 Drilled 22 feet. Depth of completed well 22 ft.

(6) **CONSTRUCTION DETAILS:**
 Casing installed: PVC 4" Diam. from 0 ft. to 22 ft.
 Welded " Diam. from ft. to ft.
 Liner installed " Diam. from ft. to ft.
 Threaded " Diam. from ft. to ft.

Perforations: Yes No
 Type of perforator used Saw cut
 SIZE of perforations 1/8 in. by 4 in.
 perforations from 12 ft. to 22 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? 6 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 None
 Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 1,000 ft.
 Static level 20 ft. below top of well Date 1/31/90
 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 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 gal./min. with stem set at ft. for hrs.

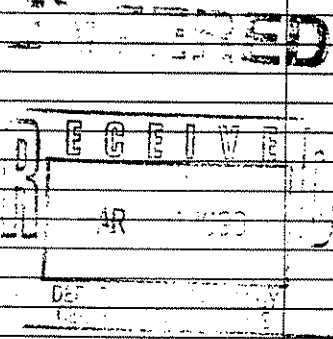
Artesian flow g.p.m. Date

Temperature of water 60° Was a chemical analysis made? Yes No

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

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

MATERIAL	FROM	TO
Gravel backfill	0	22



Work started 1/15, 1990 completed 2/15, 1990

WELL CONSTRUCTOR CERTIFICATION:

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

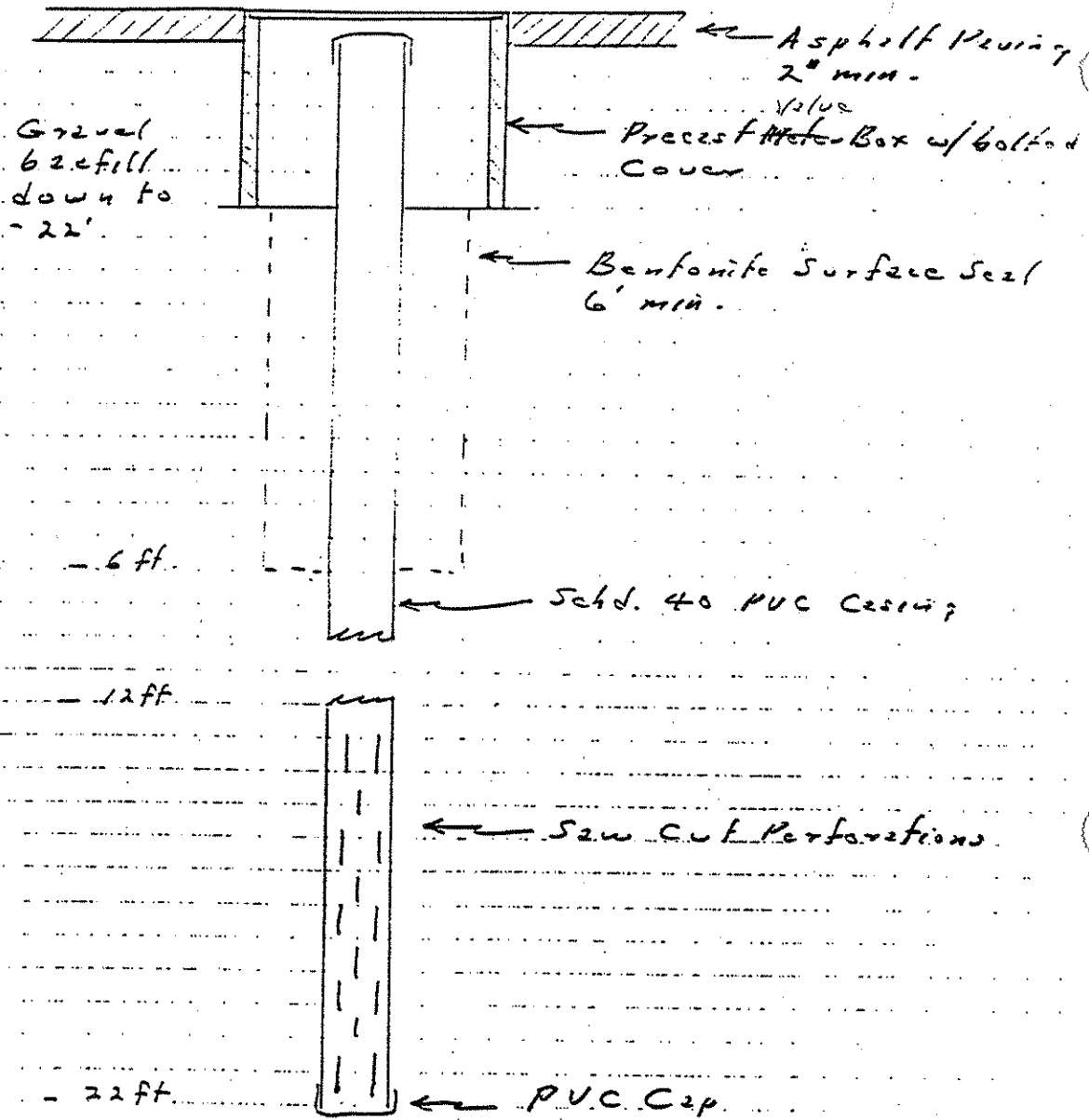
NAME Bradley J. Card (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 1120 West Lincoln Ave., Yakima, WA

(Signed) Bradley J. Card license No. 1694 (WELL DRILLER)

Contractor's Registration No. none Date 2/28, 1990

(USE ADDITIONAL SHEETS IF NECESSARY)



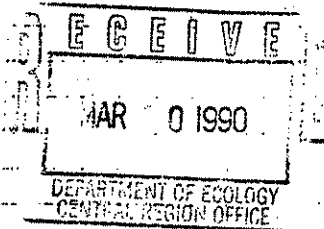
Cummins Northwest, Inc.

Resource Protection Well

(Four Each Installed)

Bredley Card

Driller License No. 1694



WATER WELL REPORT

STATE OF WASHINGTON

2978
Start Card No. 033726

Water Right Permit No. _____

(1) OWNER: Name Maid O Clover Address 1802 E. Nob Hill Yakima, Wa.

(2) LOCATION OF WELL: County Yakima Parcel # 191329-42433NW SE 1/4 Sec. 29 T. 13 N. R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 1802 E. Nob Hill

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

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

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 60 feet. Depth of completed well 60 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 Diam. from 0 ft. to 60 ft.
Welded Diam. from _____ ft. to _____ ft.
Liner installed Diam. from _____ ft. to _____ ft.
Threaded 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
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 4-2-90
Artesian pressure _____ ibs. 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? Bach
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 _____ gal./min. with stem set at _____ ft. for _____ hrs.

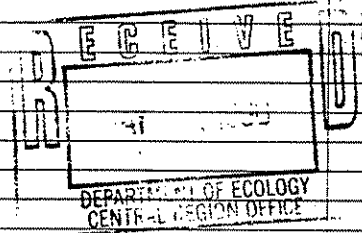
Artesian flow _____ g.p.m. Date _____

Temperature of water 58 Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Asphalt	0	4"
Clay loam	4"	5
Conglomerate gravel & sand	5	28
" " w/brn.		
clay clay	28	36
Conglomerate gravel & sand	36	52
" " w/brn.		
clay	52	56
Conglomerate gravel & sand	56	60



Work started 4-2, 1990. Completed 4-6, 1990

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Bach Well Drilling Co. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 2111 Birchfield Rd. Yakima, Wa. 98901

(Signed) [Signature] License No. 1436
(WELL DRILLER)

Contractor's Registration No. BACHWDC137NU Date 4-6, 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

(1) OWNER: Name... NOEL CANNING CORP. Address... 1011 SOUTH 3RD ST. YAKIMA, WASH. 98901

(2) LOCATION OF WELL: County... Yakima *NW 1/4 NE 1/4* Sec 30 T 13 N, R 19E W.M.K.

Bearing and distance from section or subdivision corner

PROPOSED USE: Domestic Industrial Municipal
Irrigation Test Well Other

(4) TYPE OF WORK: Owner's number of well (if more than one).... 2
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 12, 10, 8 inches.
Drilled 752 ft. Depth of completed well 752 ft.

(6) CONSTRUCTION DETAILS: 0 67'
Casing installed: #10 " Diam. from 42 ft. to 400 ft.
Threaded 8 " Diam. from 360 ft. to 680 ft.
Welded " Diam. from ft. to ft.

Perforations: Yes No
Type of perforator used TORCH (8" LINER)
SIZE of perforations 1/8 in. by 8 in.
720 perforations from 560 ft. to 680 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? 30 ft.
Material used in seal CEMENT
Did any strata contain unusable water? Yes No
Type of water? SURFACE Depth of strata 45
Method of sealing strata off CASED & CEMENTED

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

(8) WATER LEVELS: Land-surface elevation 1025 ft.
Static level 14 ft. below top of well Date 3/18/77
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.....
test gal./min. with ft. drawdown after hrs.
an flow 67 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
BLACKTOP, REBAR CEMENT & FILL	0	4
SOIL & GRAVEL	4	10
GRAVEL, BLDRS & SOIL V. HD.	10	30
SAND, GRAVEL, BLDRS, WATER, CAVING	30	47
CEMENT GRAVEL & BLDRS	47	50
HARD PAN & BLDRS	50	63
LOOSELY CEMENTED GRAVEL & BLDRS	63	77
BOULDERS, SAND, GRAVEL, WATER.	77	92
V. HD. BASALT BLDRS, GRAVEL, WATER	92	107
CEMENT GRAVEL, DEC. ROCK & BLDRS.	107	117
BROKEN BASALT BLDRS V. HD.	117	135
SAME W. DEC. ROCK	135	145
HD PAN & BLDRS	145	152
BROKEN BASALT BLDRS & HD PAN	152	190
DEC. ROCK, CLAY & BLDRS	190	236
WHITE CLAY	236	238
DEC. ROCK, CLAY & BLDRS	238	242
WHITE CLAY	242	247
DEC., ROCK, CLAY & BLDRS	247	299
SANDSTONE, CLAY, CEM. GRAV, BLDRS	299	308
DEC., ROCK, CLAY & BLDRS	308	332
BASALT BLDRS & CLAY	332	347
BR. CLAY, SAND, GRAVEL, SOME WATER	347	351
SAND, GRAVEL, CLAY	351	358
DEC. ROCK & BLDRS.	358	365
BROKEN BASALT & SED. ROCK	365	380
GRAY CLAY	380	388
GRAVEL, GREY CLAY & BLDRS	388	391
BROKEN BASALT ROCK	391	400
CEMENT GRAVEL, CLAY & BLDRS	400	412
TAN SANDY CLAY	412	416
GRAVEL, BLDRS & CLAY	416	423
TAN SANDY CLAY	423	438
GRAVEL, CLAY & BLDRS	438	468
SED. ROCK, SAND, GRAVEL, CLAY, CONGLOM.	468	510
BR. SANDY CLAY	510	519

Work started 1/5/77, 19... Completed 3/12/77, 19...

WELL DRILLER'S STATEMENT RECEIVED

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

MAY 16 1977

NAME RIEBE WELL DRILLING
(Person, firm, or corporation) DEPARTMENT OF ECOLOGY
Address YAKIMA, WASH. CENTRAL REGIONAL OFFICE
[Signed] *John Riebe*
(Well Driller)
License No. 3601 Date 3/20/77, 19...

WATER WELL REPORT

STATE OF WASHINGTON

1342
Start Card No. 031534

Water Right Permit No. _____

(1) OWNER: Name Hahn Motors Address _____

LOCATION OF WELL: County Yakima SW 1/4 NW 30 T. 13 N. R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

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

(5) DIMENSIONS: Diameter of well 2 inches.
 Drilled 27 feet. Depth of completed well 27 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 2 Diam. from 0 ft. to 27 ft.
 Welded Diam. from _____ ft. to _____ ft.
 Liner installed
 Threaded 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 Ardvark
 Type sch. 40 pvc Model No. _____
 Diam. 2" Slot size 10 from 17 ft. to 27 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 8-12
 Gravel placed from 15 ft. to 27 ft.

Surface seal: Yes No To what depth? 15 ft.
 Material used in seal hole plug, bentonite, cement
 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 1/31/91
 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 _____

gailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Artest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

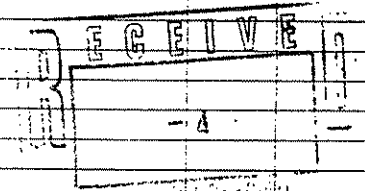
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Monitoring well # 031534-1		
loam, some gravel	0	2
gravel, cobbles, sand	2	9
silt, w/gravel	9	11
gravel, cobbles, sand, dry	11	19
gravel, silt, sand, damp, capillary zone	19	21
gravel, silt, sand, wet	21	25
gravel, sand, water producing	21	27
3 to 5 gpm from 6 inch temporary well casing.		

Monitoring well # 031534-2
 same as above



Work started 1-24 91 Completed 1-31 1991

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Cassel Drilling, Pump & electric
 (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 1308 Voelker, Yakima, Wa. 98902

(Signed) [Signature] License No. 73
 (WELL DRILLER)

Contractor's Registration No. Casewd317cp Date 1/91 1991

(USE ADDITIONAL SHEETS IF NECESSARY)



WATER WELL REPORT

Start Card No. 2274
31749

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name CAMERON YAKIMA Address 1414 SO 1ST ST YAKIMA

2) LOCATION OF WELL: County YAKIMA NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 30 T. 13 N. R. 19 W.M.

2a) STREET ADDRESS OF WELL (or nearest address) _____

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

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

MATERIAL	FROM	TO
CEMENT	VH 0	2"
SAND GRAVEL COBBLES	A 2	11"
SAND GRAVEL BULLERS COBBLES	H 11	18
SAND SILT GRAVEL	MH 18	22

5) DIMENSIONS: Diameter of well 2 inches.
 Drilled 22 feet. Depth of completed well 22 ft.

3) CONSTRUCTION DETAILS:

Casing installed: 2 * Diam. from 0 ft. to 7 ft.
 Welded * Diam. from _____ ft. to _____ ft.
 Liner installed
 Threaded * 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 HYDROHELIC Model No. _____
PVC
 L. _____ Slot size .020 from 7 ft. to 22 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel # 8 silica
 Gravel placed from _____ ft. to _____ ft.

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

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

7) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
 Static level 12' 8" ft. below top of well Date 8-23-89
 Artesian pressure _____ lbs. per square inch Date _____
 Artesian water is controlled by _____ (Cap, valve, etc.)

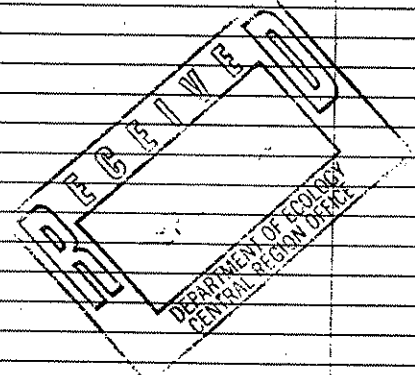
8) WELL TESTS: Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? NEIR
 Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

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.
 Airstest _____ gal./min. with stem set at _____ ft. for _____ hrs.
 Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes No



Work started 8-23-89 Completed 8-23-89

WELL CONSTRUCTOR CERTIFICATION:

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

NAME RIEBE WELL DRILLING (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address PO BOX 10866 YAKIMA WA

(Signed) John RIEBE License No. 0422
 (WELL DRILLER)

Contractor's Registration No. 132K1 Date 8-24-89

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

Start Card No. 31749

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name CAMERON YAKIMA Address 1414 SO 12TH ST YAKIMA

2) LOCATION OF WELL: County YAKIMA NW 1/4 SE 1/4 Sec 30 T. 13 N. R. 19 W.M.
 2a) STREET ADDRESS OF WELL (or nearest address) _____

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

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

5) DIMENSIONS: Diameter of well 2 inches.
 Drilled 22 feet. Depth of completed well 22 ft.

6) CONSTRUCTION DETAILS:
 Casing installed: 2 Diam. from 0 ft. to 7 ft.
 Welded Diam. from _____ ft. to _____ ft.
 Liner installed _____ ft. to _____ ft.
 Threaded _____ 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 HYDRAFLIC
PVC Model No. _____
 L. 2 Slot size .020 from 7 ft. to 22 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel # 8 S&W
 Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? _____ ft.
 Material used in seal PORTLAND CEMENT
 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 12.8 ft. below top of well Date 8-23-89
 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? NEIR
 Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

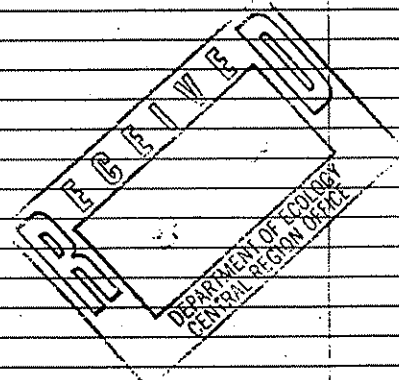
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)					
Time	Water Level	Time	Water Level	Time	Water Level

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
CEMENT	VH 0	2"
SAND GRAVEL COBBLES	A 2	11'
SAND GRAVEL BOLLIGERS COBBLES	A 11	18'
SAND SILT GRAVEL	MH 18	22'



Work started 8-23-89 Completed 9-23-89

WELL CONSTRUCTOR CERTIFICATION:

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

NAME RIEBE WELL DRILLING (TYPE OR PRINT)
 (PERSON, FIRM, OR CORPORATION)
 Address PO BOX 10866 YAKIMA WA
 (Signed) John RIEBE License No. 0422
 (WELL DRILLER)
 Contractor's Registration No. 132K1 Date 8-24-89

(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

Start Card No. 31749

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name CAMELON YAKIMA Address 1414 S. 1ST STREET, YAKIMA WA

(2) LOCATION OF WELL: County YAKIMA NW 1/4 SE 1/4 Sec 30 T. 13 N. R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 1
Abandoned New well Deepened Reconditioned
Method: Dug Cable Rotary Bored Driven Jetted

MATERIAL	FROM	TO
<u>COBBLES SILT & GRAVEL</u>	<u>0</u>	<u>19</u>
<u>GRAVEL COBBLES</u>	<u>19</u>	<u>23</u>
<u>SILT SAND COBBLES CLAY</u>	<u>23</u>	<u>25</u>

(5) DIMENSIONS: Diameter of well 2 inches.
Drilled 25 feet. Depth of completed well 25 ft.

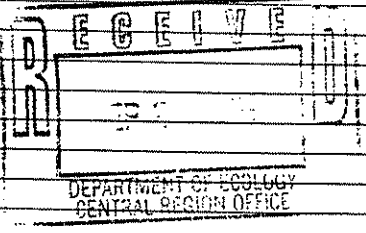
(6) CONSTRUCTION DETAILS:
Casing installed: _____" Diam. from _____ ft. to _____ ft.
Welded _____" Diam. from _____ ft. to _____ ft.
Liner installed _____" Diam. from _____ ft. to _____ ft.
Threaded 2" Diam. from 0 ft. to 8 ft.

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 HYDROPHLIC
Type PVC Model No. _____
Diam. 2 Slot size 8 from 23 ft. to _____ ft.
Diam. 2 Slot size 1020 from 8 ft. to 23 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 CEMENT BENTONITE HOLE PLUG
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. _____

Work started 8-89 Completed 8-89

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 13 ft. below top of well Date 8-22-89
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

WELL CONSTRUCTOR CERTIFICATION:

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

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

NAME RIEBE WELL DRILLING INC
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address PO BOX 10966 YAKIMA WA

(Signed) JIM RIEBE License No. 0422
(WELL DRILLER)

Contractor's Registration No. 132K6 Date 8-25-89

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 _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 31749

2273

Water Right Permit No. _____

OWNER: Name CAMERON YAKIMA Address 1414 S. 1ST STREET, YAKIMA

(2) LOCATION OF WELL: County YAKIMA NW 1/4 SE 1/4 Sec 30 T. 13 N., R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

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

(5) DIMENSIONS: Diameter of well 2" inches.
 Drilled 22.6 feet. Depth of completed well 22.6 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 2 Diam. from 0 ft. to 7 ft.
 Welded Diam. from _____ ft. to _____ ft.
 Liner installed
 Threaded 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 HYDROPHENIC
 Type PVC Model No. _____
 Diam. 2 Slot size .020 from 7 ft. to 22.6 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel # SILICA
 Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? _____ 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 12'9" ft. below top of well Date 8-23
 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? DELTA
 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 _____ gal./min. with stem set at _____ ft. for _____ hrs.

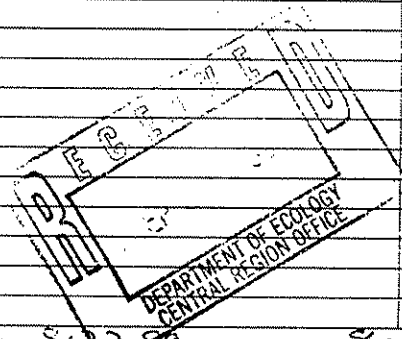
Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
RIVER ROCK	H 0	5
LOOSE SAND & GRAVEL	MS 5	10
RIVER ROCK & GRAVEL	H 10	13
LOOSE ROCK & GRAVEL	M 13	14
SILT SAND GRAVEL	M 14	17
LOOSE GRAVEL & COBBLES	M 17	20
SAND SILT GRAVEL COBBLES	M 20	22.6



Work started 8-22-89, 19. Completed 8-24-89, 19.

WELL CONSTRUCTOR CERTIFICATION:

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

NAME RIEBE WELL DRILLING INC
 (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address PO BOX 10866 YAKIMA WA

(Signed) SMILLS License No. 1335
 (WELL DRILLER)

Contractor's Registration 132KI Date 8-24-89
 No. _____

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name CAMERON YAKIMA Address 1414 SO 1ST STREET, YAKIMA, WA

(2) LOCATION OF WELL: County Yakima NW 1/4 SE 1/4 Sec 30 T. 13 N. R. 19 W.M.
(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 2
Abandoned New well Deepened Reconditioned
Method: Dug Cable Rotary Bored Driven Jetted

(5) DIMENSIONS: Diameter of well 2 inches.
Drilled 22 feet. Depth of completed well 22 feet.

(6) CONSTRUCTION DETAILS:
Casing installed: _____" Diam. from _____ ft. to _____ ft.
Welded Liner installed Threaded _____" Diam. from _____ ft. to _____ ft.
_____ " 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 HYDROPHILIC
Type PVC Model No. _____
Diam. 2 Slot size 020 from 7' ft. to .22 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel # 20 SILICA
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? _____ ft.
Material used in seal BENTONITE-CLAY PLUG
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 8-22-89
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? DELTA
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

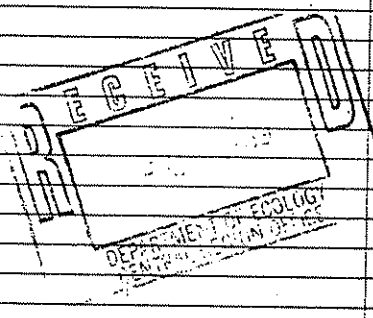
Date of test _____

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
COBBLES CARBON	H 0	12
COBBLES GRAVEL	H 12	18
SILT GRAVEL COBBLES CLAY	H 18	22



Work started 8-25-89, 19. Completed 8-25-89, 19.

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME RIEBE Well Drilling Inc (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address PO BOX 10866, Yakima WA
(Signed) John RIEBE License No. 0422
(WELL DRILLER)
Contractor's Registration No. 132K1 Date 8-25-89

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

Start Card No. 90932

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name Traho Inc. Address P.O. Box 1644 Yakima, WA 98907

LOCATION OF WELL: County Yakima % Sec 31 T. 13 N., R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

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

(5) DIMENSIONS: Diameter of well 8 inches.
 Drilled 45 feet. Depth of completed well 45 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 4 Diam. from 4 ft. to 45 ft.
 Welded Liner installed Threaded
 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.

Perforations: Yes No
 Manufacturer's Name Johnson
 Type PVC Model No. _____
 Diam. 4" Slot size 0.10 from 35 ft. to 45 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

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

Surface seal: Yes No To what depth? 35 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 38 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

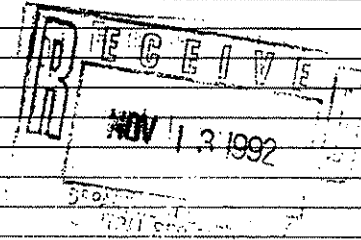
Date of test _____
 Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Arttest _____ gal./min. with stem set at _____ ft. for _____ hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
Sand & Gravel	0	10
Gravel with Boulders	10	38
Sand & Gravel with water	38	45

cased to 45' with 8" casing
 set 4" PVC pulled 8" out



Work started October 15, 1992 Completed October 16, 1992

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Ponderosa Drilling & Development, Inc.
 (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address East 6010 Broadway Spokane, WA 99212

(Signed) Tom Richardson License No. 1295

Contractor's Registration (Tom Richardson)

No. FO ND EX #248UE Date November 11, 1992

(USE ADDITIONAL SHEETS IF NECESSARY)



RECORD BY WELL DRILLER OR OTHER CONSTRUCTOR OF WORKS FOR WITHDRAWAL OF GROUND WATER

Under Permit No. G. W. _____

Sec 31 Twp 13N R 19 E WM A

("The well driller or other constructor of works for the withdrawal of public ground waters shall be obligated to furnish the permittee a certified record of the factual information necessary to show compliance with the provisions of this section." Sec. 8, Chap. 263, Laws of 1945.)

1. WOODS INDUSTRIES, Inc., P. O. Box 574, Yakima, Washington
(Name and address of owner of well or other works for withdrawal of water)

2. Type; name or number of works where water is taken well
(Well, tunnel or infiltration trench)

3. Date on which work on well or other structure was started approximately 30 years ago

4. Date on which work was completed approximately 30 years ago

5. If work on well or other structure was abandoned, give date not applicable
and reason for abandonment not abandoned

6. DESCRIPTION OF WORKS:

(a) WELL: Depth 450 ft. Diameter eight in. or ft. Dug or drilled drilled

Flowing or pump well flowing Water Temp. 55°F.

IF PUMP WELL: Type and size of pump is centrifugal, 125 g.p.m. @ 30 lbs.

Type and size of motor or engine is 3 H.P.

Depth from ground surface to water level before pumping flowing-artesian feet

After continuous operation for four hours, the measured discharge of the pump is
(At least four)

200 g.p.m., and the drawdown of water level is eight feet
(Pumping level minus static water level)

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

Time	Water Level	Time	Water Level
<u>Well returned to artesian flow within 1 minute.</u>			
.....
.....
.....

Date of test June, 1962

IF FLOWING WELL: Measured discharge 35 g.p.m. on June, 1962, and from date of construction
(Date)

Shut-in pressure at ground surface unknown lbs. per sq. in. on _____
(Date)

Water is controlled by Cap and valve
(Cap, valve, etc.)

CASING: (Give diameter, commercial specifications and depth below ground surface of each

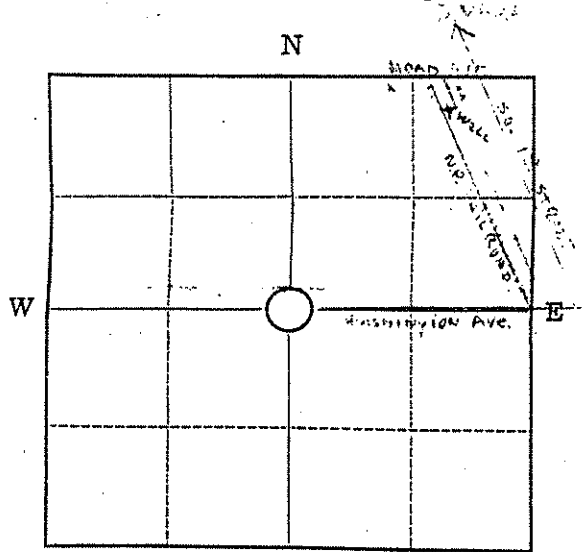
MATERIAL	Thickness (Feet)	Depth to bottom (Feet)
The well drilling records of this well are		
not available. When the well was tested at		
200 g.p.m. the water showed presence of		
round sand; the same showed considerable		
mineralization.		

(b) INFILTRATION TRENCH OR TUNNEL: Type not applicable.

Dimensions: _____
(Tunnel—length, course, and cross-sectional size) (Trench—minimum and maximum depths)

Bottom width _____ ft. Discharge _____ g.p.m. Date of test _____

Position of water bearing stratum with reference to portal of tunnel _____



Sec. 31 Twp. 13N. Rge. 19 E.W.M.

Show approximate location of well or other works with (X) on section plat at left.

WOODS INDUSTRIES Inc., a
Washington Corporation

by [Signature]

Signature of well driller or other constructor
President

Address _____

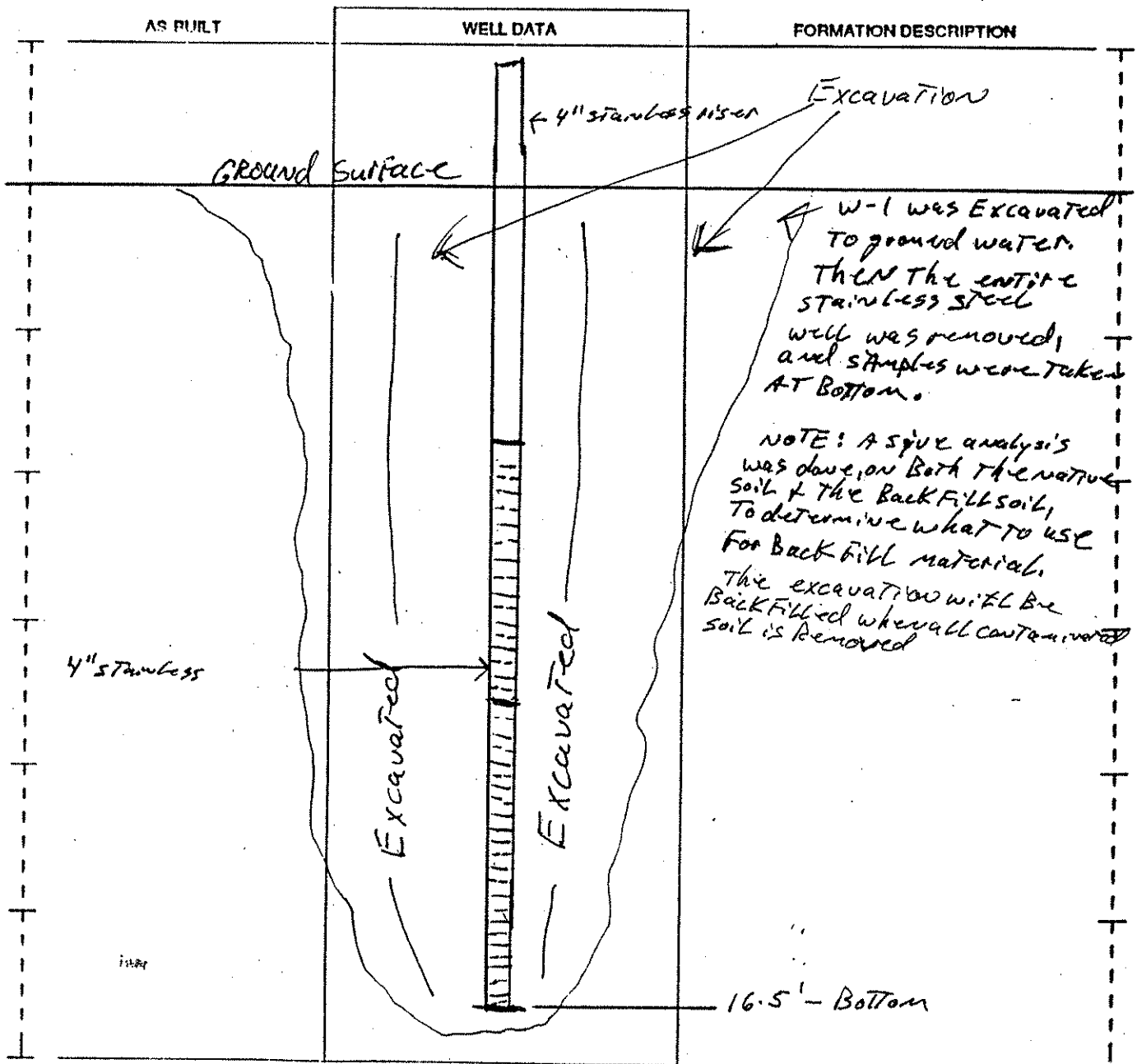
Scale: 1" = 2000'

RESOURCE PROTECTION WELL REPORT

START CARD NO. 209913

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-1
 DRILLING METHOD: Abandonment
 DRILLER: John W. Dolan #1777
 FIRM: Buckhorn Environmental Inc.
 SIGNATURE: John W. Dolan
 CONSULTING FIRM: _____
 REPRESENTATIVE: _____

COUNTY: YAKIMA
 LOCATION: NWA NE 1/4 Sec 5, Twn 13N R 19E
 STREET ADDRESS OF WELL: 11 East King St.
YAKIMA WA. 98901.
 WATER LEVEL ELEVATION: _____
 GROUND SURFACE ELEVATION: _____
 INSTALLED: _____
 DEVELOPED: _____



W-1 was Excavated to ground water. Then the entire stainless steel well was removed, and samples were taken at bottom.

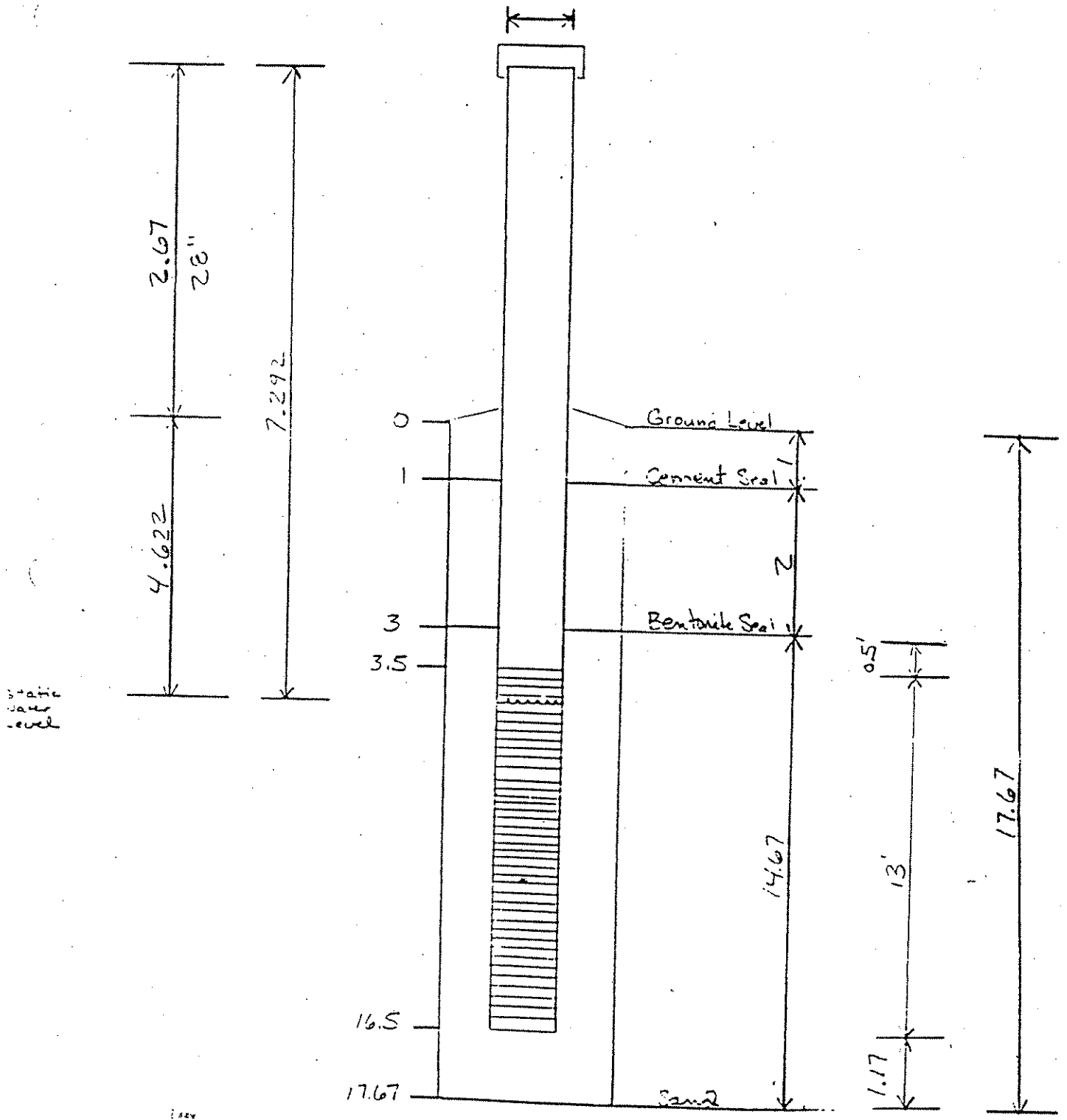
NOTE: A spgr analysis was done on both the native soil & the backfill soil, to determine what to use for back fill material. The excavation will be back filled when all contaminated soil is removed.

SCALE: 1" = _____

PAGE 1 OF 2

Monitoring Well W1

01



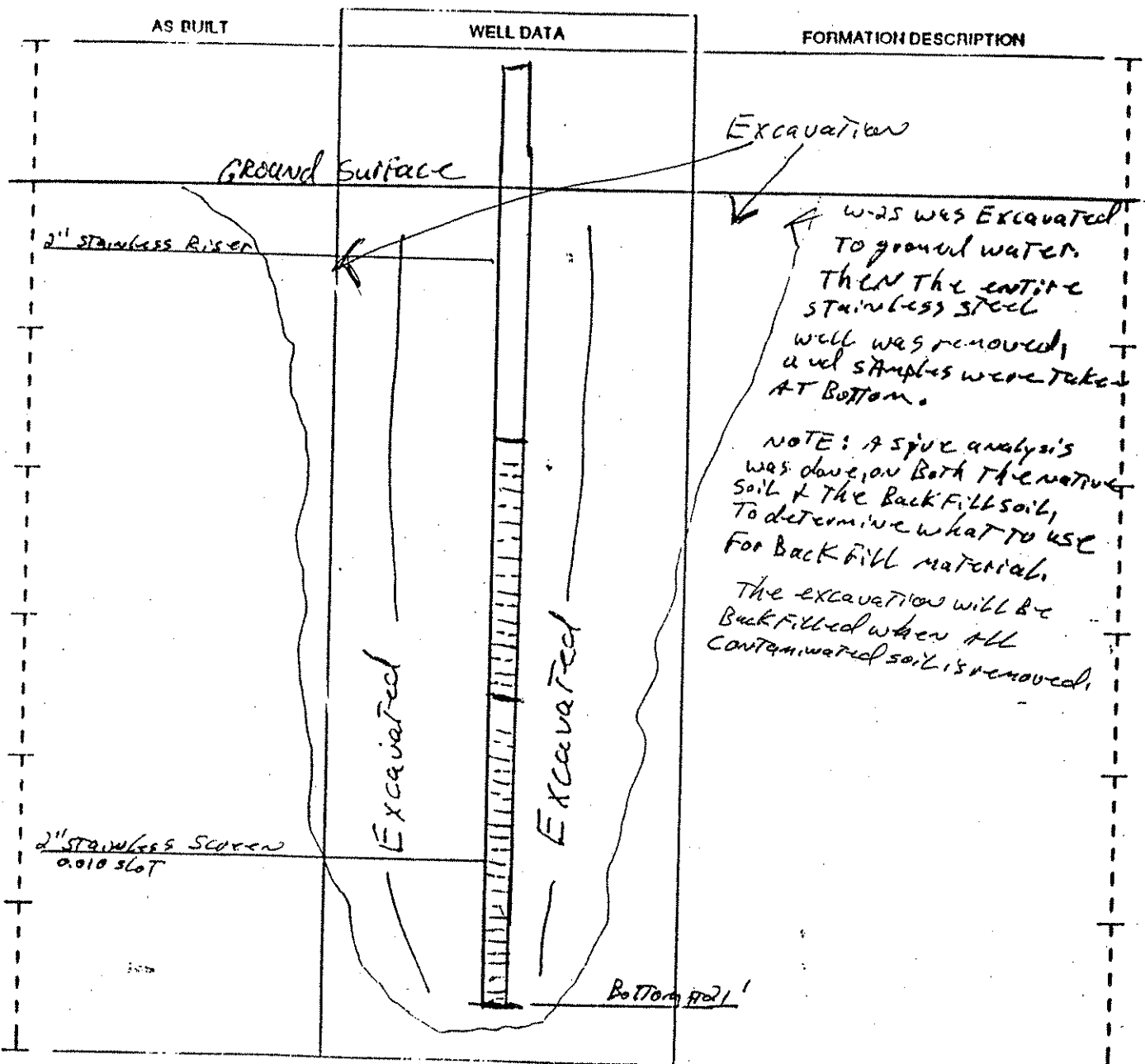
3766

RESOURCE PROTECTION WELL REPORT

START CARD NO. 209914

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-25
 DRILLING METHOD: Abandonment
 DRILLER: John W. Dolan #1227
 FIRM: Buckington Environmental Inc.
 SIGNATURE: John W. Dolan
 CONSULTING FIRM: _____
 REPRESENTATIVE: _____

COUNTY: YAKIMA
 LOCATION: 1/4 NE 1/4 Sec 31 Twn 13N R 19E
 STREET ADDRESS OF WELL: 111 East King St.
YAKIMA WA 98901
 WATER LEVEL ELEVATION: _____
 GROUND SURFACE ELEVATION: _____
 INSTALLED: _____
 DEVELOPED: _____



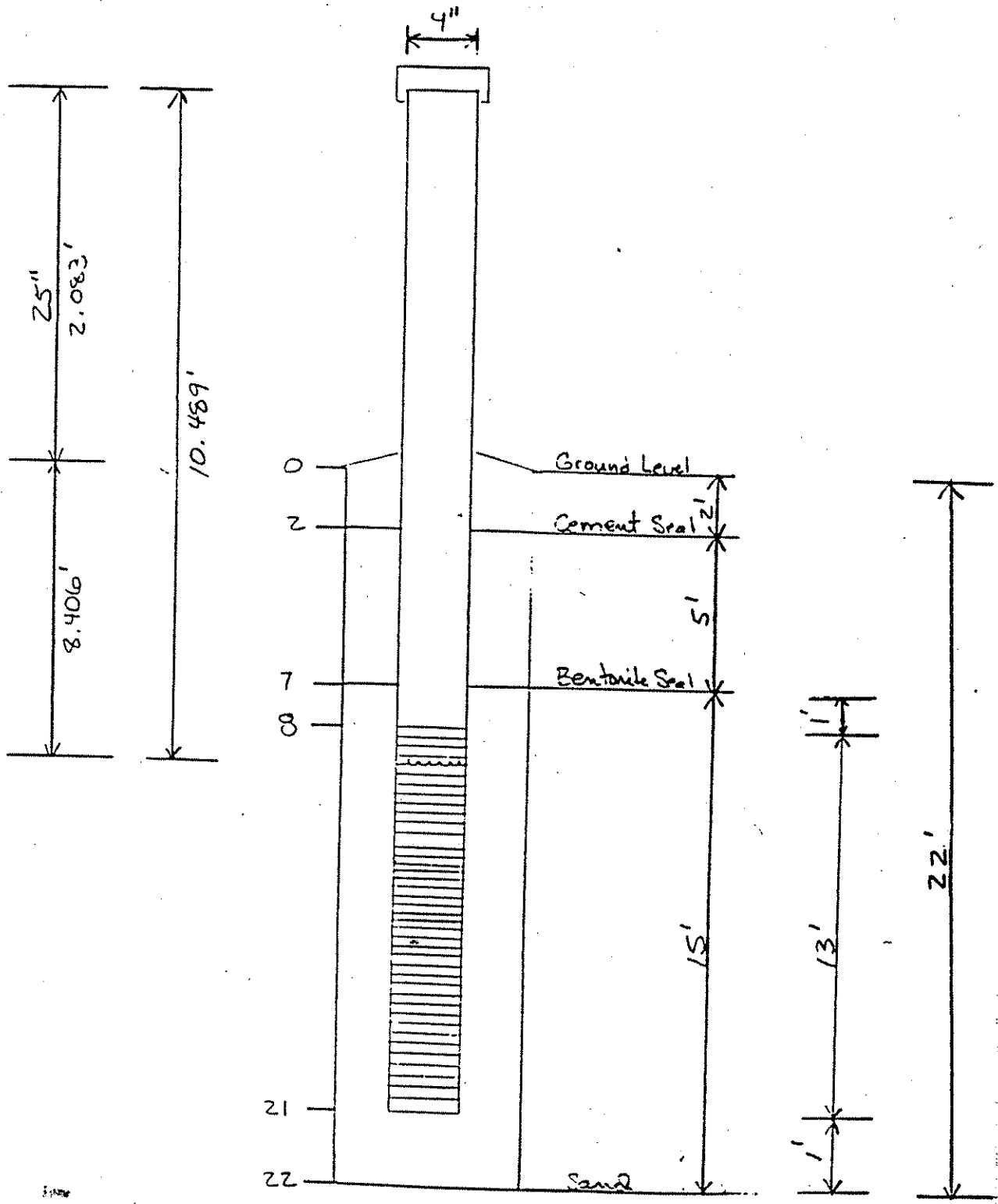
Excavation

W-25 was Excavated to ground water. Then the entire stainless steel well was removed, and samples were taken at bottom.

NOTE: A spgr analysis was done on both the native soil & the backfill soil, to determine what to use for backfill material. The excavation will be backfilled when all contaminated soil is removed.

Well W25

static
water
level

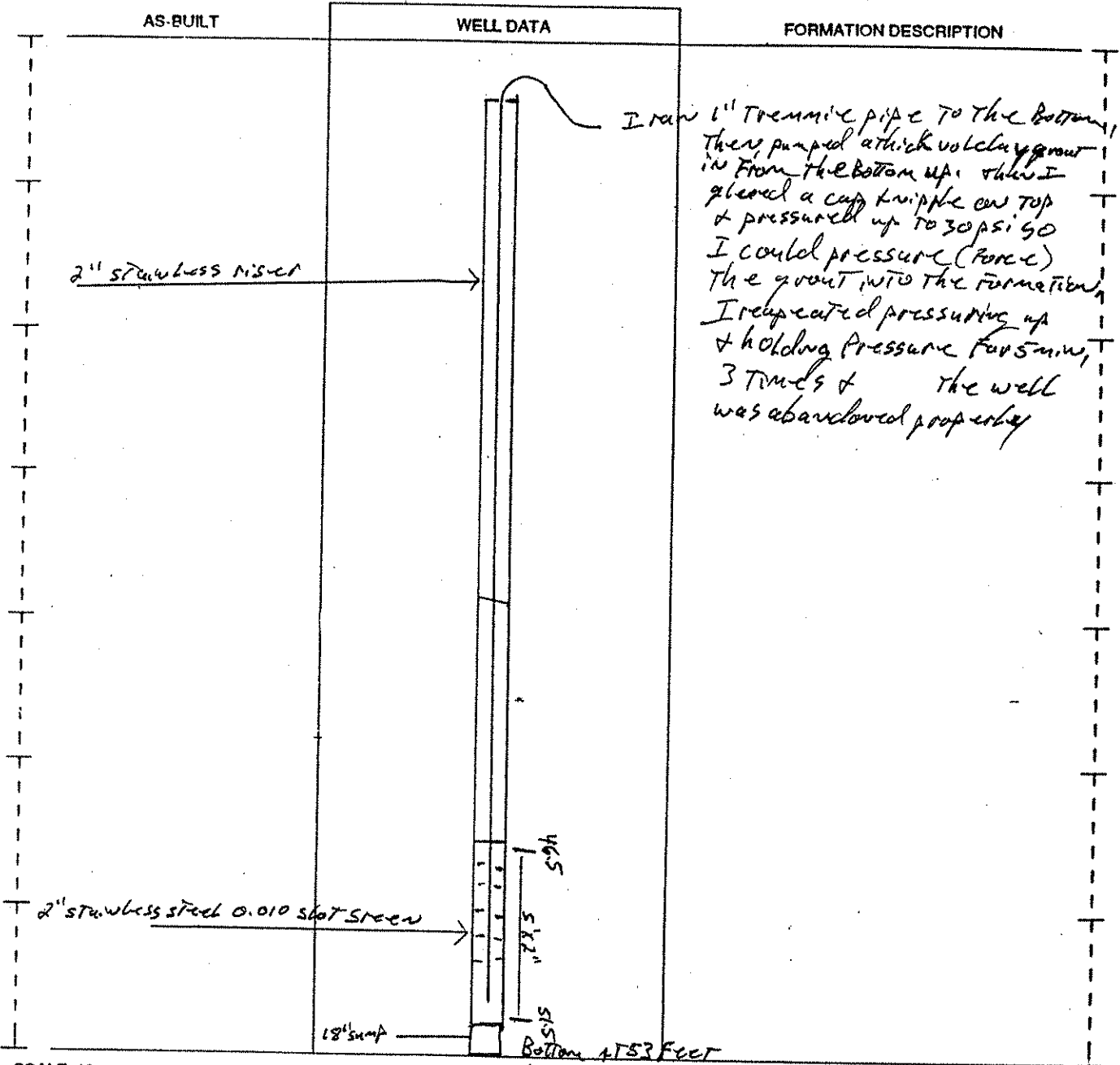


RESOURCE PROTECTION WELL REPORT

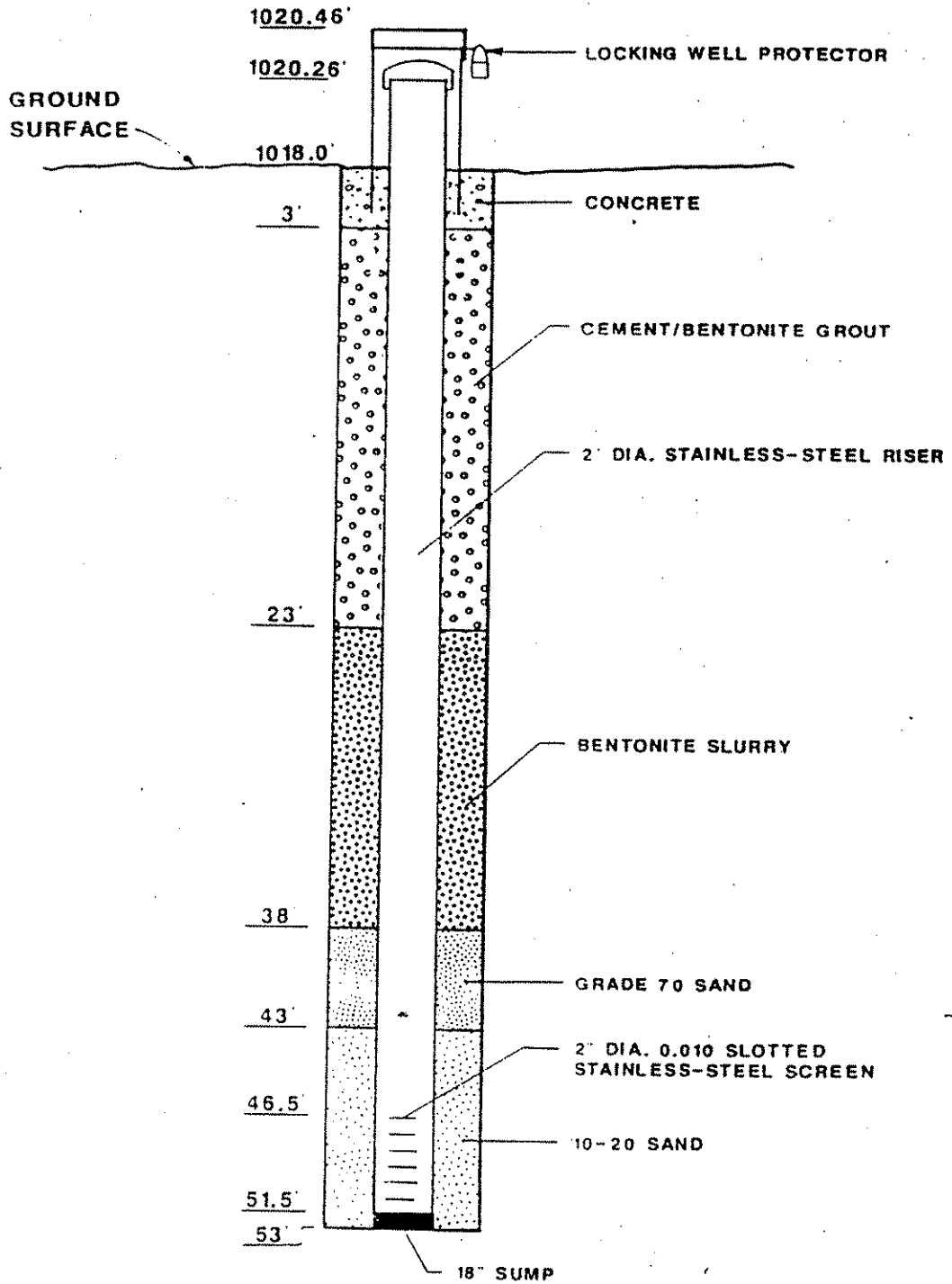
START CARD NO. 209915

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-2D
 DRILLING METHOD: ABANDONMENT
 DRILLER: John W. Dulan #1227
 FIRM: Budington Environmental Inc.
 SIGNATURE: John W. Dulan
 CONSULTING FIRM: _____
 REPRESENTATIVE: _____

COUNTY: Yakima
 LOCATION: NW 1/4 NE 1/4 Sec 31 Twn 12N R 19E
 STREET ADDRESS OF WELL: H East King St
Yakima wa, 98901
 WATER LEVEL ELEVATION: _____
 GROUND SURFACE ELEVATION: _____
 INSTALLED: _____
 DEVELOPED: _____



PROJECT NO. 12883088 DRILLER ONWEGO DRILLING COMPANY, INC.
MONITORING WELL NO. W-2D DATE INSTALLED 8/27/90



NOT TO SCALE

NOTE: Elevations surveyed by Rogers Surveying Inc. relative to National Geodetic Vertical Datum.

WATER WELL REPORT STATE OF WASHINGTON

Application No. _____

Permit No. _____

(1) OWNER: Name SNO HISE Address _____

LOCATION OF WELL: County Yakima NW 1/4 Sec. 31 T. 13N., R. 19 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) 1
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
 Drilled 17.1 ft. Depth of completed well 17.5 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 6" Diam. from #1 ft. to 15.8 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 CASSIDEL
 Type A2116 Model No. _____
 Diam. 4 Slot size 1/16 from 5.5 ft. to 17.5 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? 2.4 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 _____ ft.
 Static level 11 ft. below top of well Date 10/12/86
 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: 1.5 gal./min. with 56 1/2 ft. drawdown after 4 hrs.

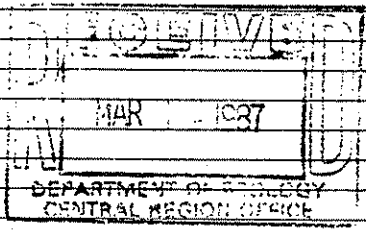
Time	Water Level	Time	Water Level	Time	Water Level

Recovery data (time taken as zero when pump turned off) (water level measured from well top to 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
Blue-grey, Cobble	0	11
Cobbles, Gravel, SILT	11	20
Clay, yellow, w/ some gravel	20	25
Conglomerate, w/ pebbles	25	48
Gravel, sand, SILT, water	48	58
Conglomerate, coarse gravel, gravel	58	72
Gravel sand, water	72	84
Conglomerate, fine	84	99
Gravel, sand, SILT, water	99	118
Conglomerate, SILT	118	154
Conglomerate, SILT	154	158
w/ water	158	165
Conglomerate, w/ water	165	172
Conglomerate, water	172	175
90 GPM		
Gravel 60 GPM		
100 GPM		



Work started 10/30 1986 Completed 10/10 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 Cassidel Well Drilling
 (Person, firm, or corporation) (Type or print)

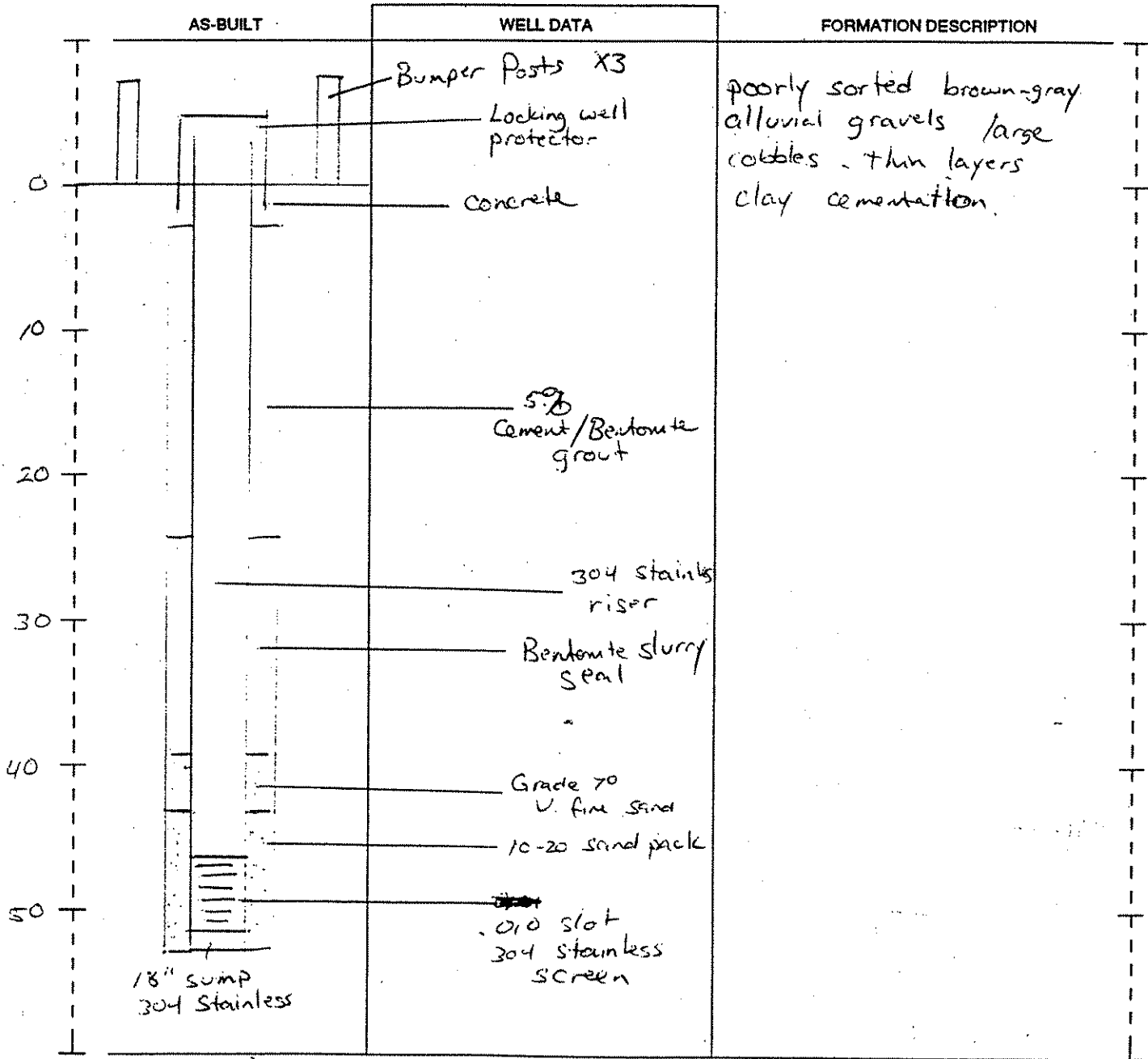
Address 13000 1st Ave Yakima
 [Signed] _____
 (Well Driller)
 License No. 60225 Date 10/20 1986

RESOURCE PROTECTION WELL REPORT

START CARD NO. 027247

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-2D
 DRILLING METHOD: Cable Tool
 DRILLER: Don Kruger
 FIRM: Onwego Drilling
 SIGNATURE: _____
 CONSULTING FIRM: John Mathes + Assoc
 REPRESENTATIVE: Donald A. Robbins

COUNTY: Yakima
 LOCATION: NW 1/4 NE 1/4 Sec 31 Twn 13N R 9E
 STREET ADDRESS OF WELL: 2 E King St.
Yakima WA
 WATER LEVEL ELEVATION: ~1011
 GROUND SURFACE ELEVATION: ~1018
 INSTALLED: 8-28-90
 DEVELOPED: 9-8-90



SCALE: 1" = 10 feet

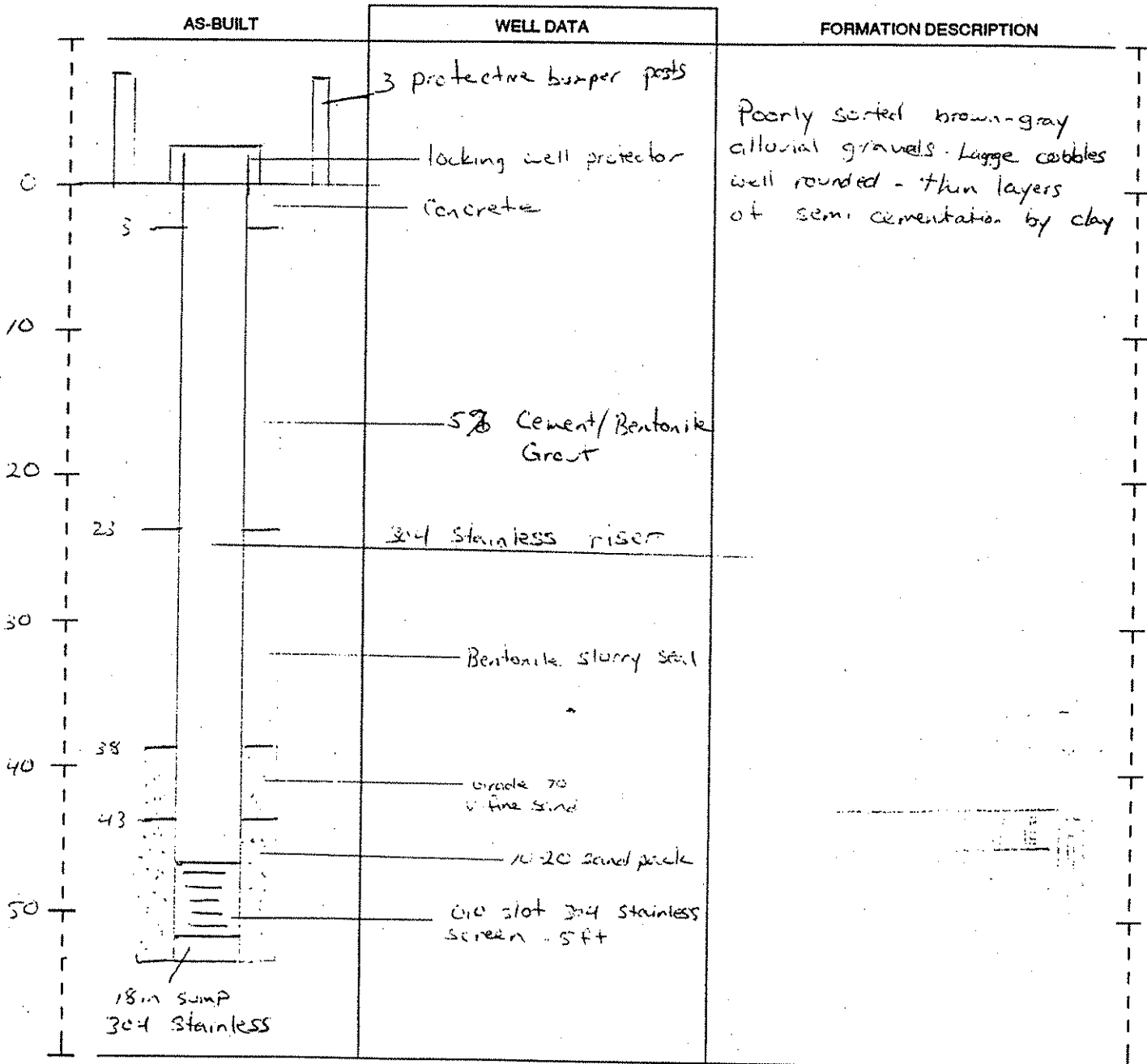
PAGE 1 OF 1

RESOURCE PROTECTION WELL REPORT

START CARD NO. 027 247

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-11D
 DRILLING METHOD: Cable Tool
 DRILLER: Don Kruger
 FIRM: Onwego Drilling
 SIGNATURE: _____
 CONSULTING FIRM: John Mathes - Assoc.
 REPRESENTATIVE: Donald A. Robbins

COUNTY: Yakima
 LOCATION: NW 1/4 NE 1/4 Sec 31 Twn 13N R 19E
 STREET ADDRESS OF WELL: 2 E Ring St.
Yakima WA
 WATER LEVEL ELEVATION: ~1011
 GROUND SURFACE ELEVATION: ~1018
 INSTALLED: 8-7-90
 DEVELOPED: 9-11-90



SCALE: 1" = 10 feet

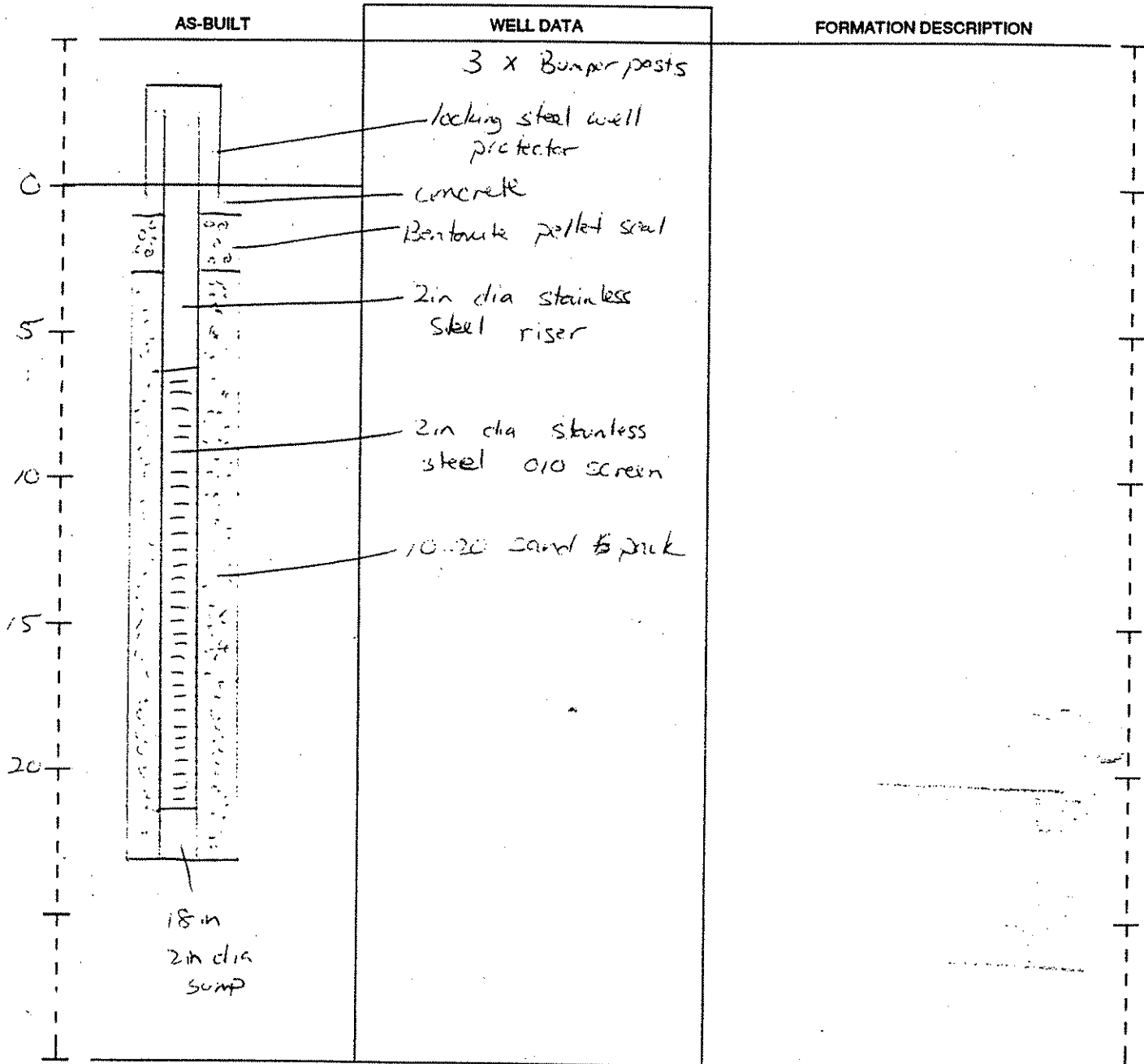
PAGE 1 OF 1

RESOURCE PROTECTION WELL REPORT

START CARD NO. 027 247

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-10
 DRILLING METHOD: Hollow Stem Auger
 DRILLER: J. Bignall
 FIRM: Mathes Exploration
 SIGNATURE: _____
 CONSULTING FIRM: John Mathes + Assoc.
 REPRESENTATIVE: K. McGill

COUNTY: Yakima
 LOCATION: NW 1/4 NE 1/4 Sec 31 Twn 13N R19E
 STREET ADDRESS OF WELL: 2 E King St.
Yakima WA
 WATER LEVEL ELEVATION: ~100
 GROUND SURFACE ELEVATION: ~1015
 INSTALLED: 7-21-90
 DEVELOPED: 9-10-90



SCALE: 1" = _____

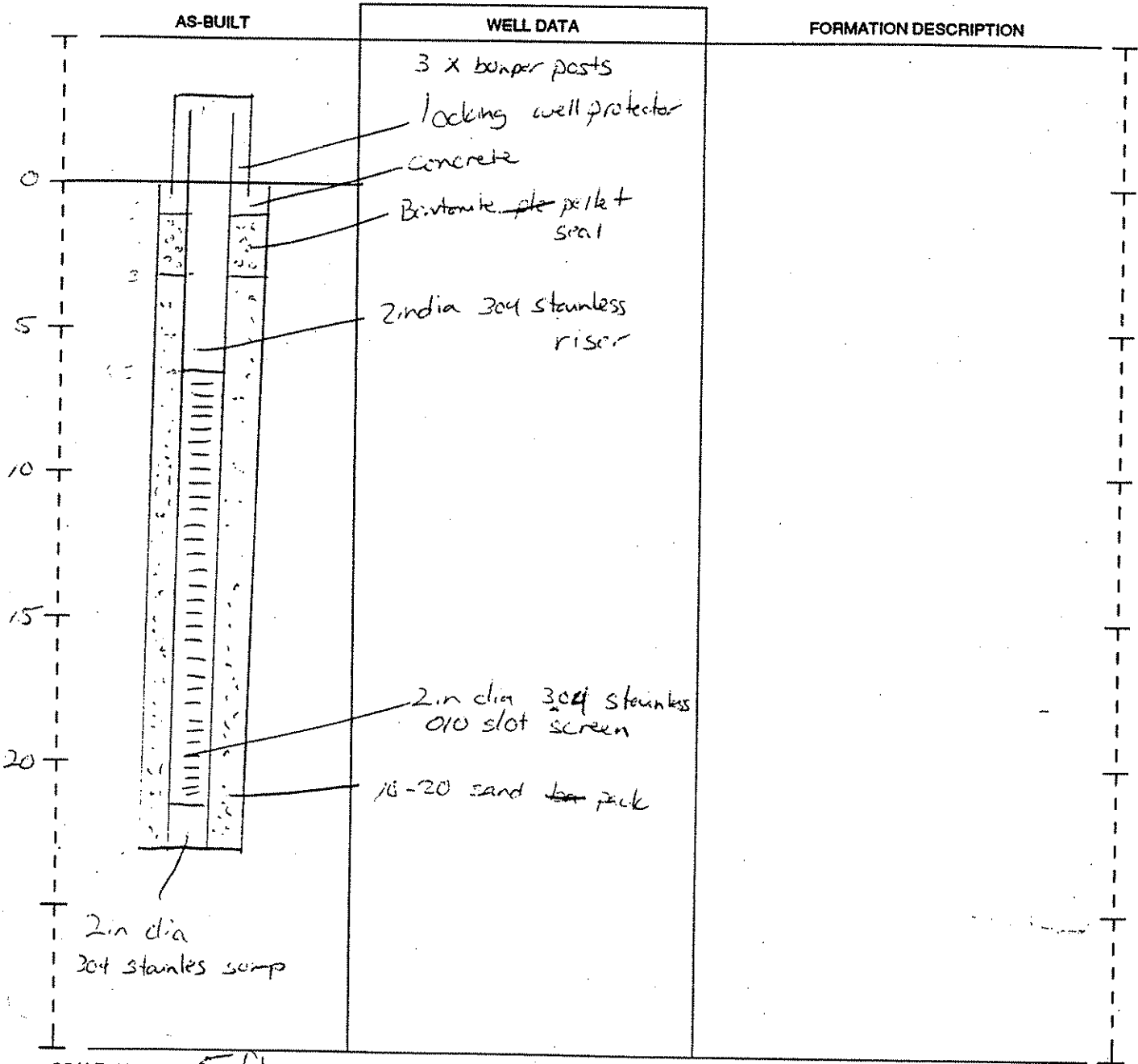
PAGE _____ OF _____

RESOURCE PROTECTION WELL REPORT

START CARD NO. 027 247

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-9
 DRILLING METHOD: Hollow Stem Auger
 DRILLER: J. Bignall 1801
 FIRM: Mathes Exploration
 SIGNATURE: _____
 CONSULTING FIRM: John Mathes + Assoc.
 REPRESENTATIVE: K. Huggill

COUNTY: Yakima
 LOCATION: NW 1/4 NE 1/4 Sec 31 Twn 31N R 19E
 STREET ADDRESS OF WELL: 2 E. King St. Yakima WA
 WATER LEVEL ELEVATION: ~1010
 GROUND SURFACE ELEVATION: ~1015
 INSTALLED: 7-21-90
 DEVELOPED: 9-10-90



SCALE: 1" = 5 ft

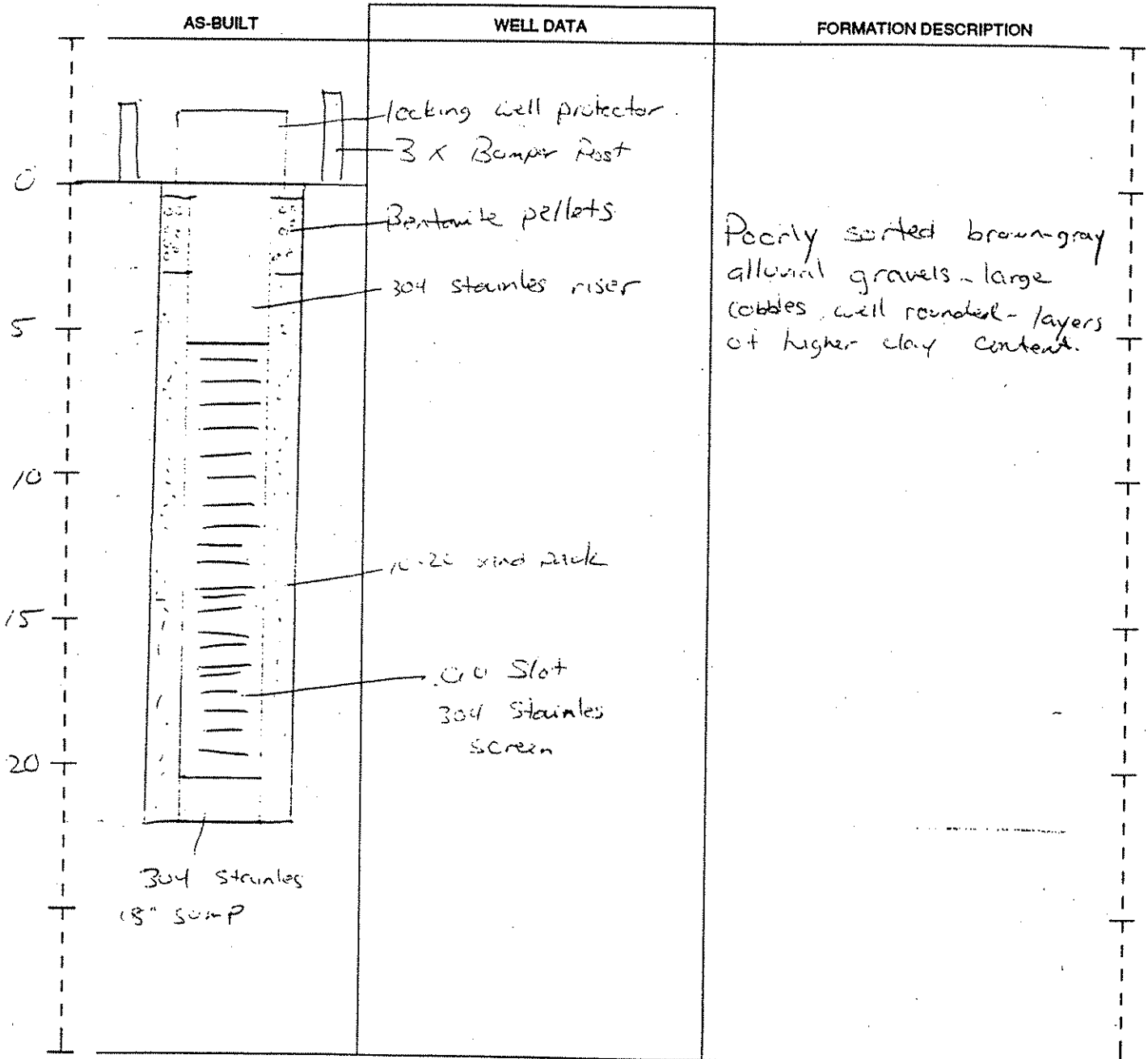
PAGE _____ OF _____

RESOURCE PROTECTION WELL REPORT

START CARD NO. 027247

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-6
 DRILLING METHOD: Cable Tool
 DRILLER: Don Kruger
 FIRM: Onwego Drilling
 SIGNATURE: _____
 CONSULTING FIRM: John Inattus - Assoc.
 REPRESENTATIVE: Donald A. Robbins

COUNTY: Yakima
 LOCATION: N 1/4 NE 1/4 Sec 31 Twn 13N R19E
 STREET ADDRESS OF WELL: 2 E King St.
Yakima WA
 WATER LEVEL ELEVATION: ~1010
 GROUND SURFACE ELEVATION: ~1015
 INSTALLED: 8-28-90
 DEVELOPED: 9-9-90



SCALE: 1" = 5'

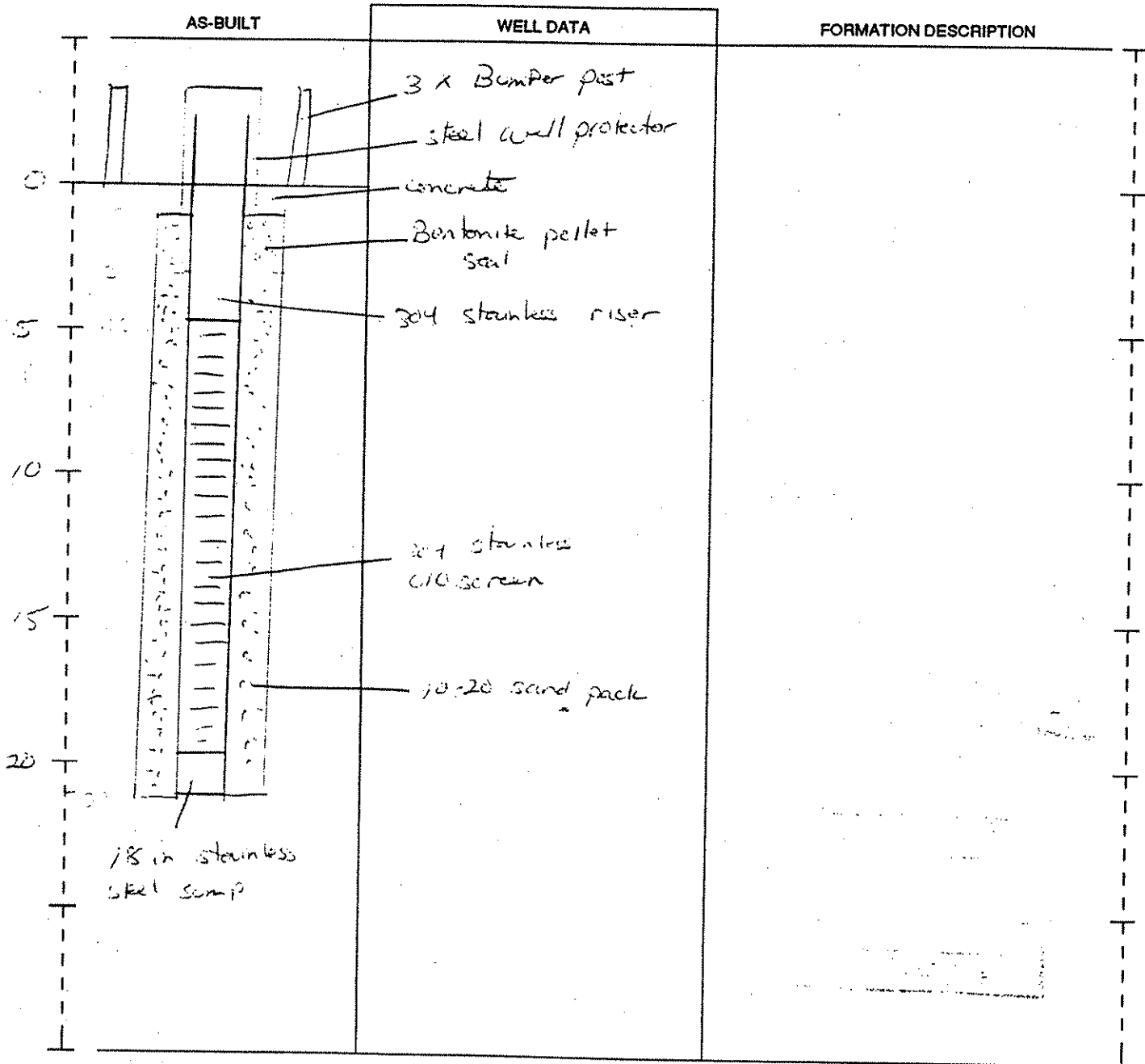
PAGE 1 OF 1

RESOURCE PROTECTION WELL REPORT

START CARD NO. 027247

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-37
 DRILLING METHOD: Hollow Stem Auger
 DRILLER: J. Bignall
 FIRM: Mathes Exploration
 SIGNATURE: _____
 CONSULTING FIRM: John Mathes + Assoc.
 REPRESENTATIVE: K. Hegill

COUNTY: Yakima
 LOCATION: NE 1/4 NW 1/4 Sec 31 Twn 3N R19E
 STREET ADDRESS OF WELL: 2 E. King St.
Yakima WA
 WATER LEVEL ELEVATION: -1010
 GROUND SURFACE ELEVATION: -1015
 INSTALLED: 7/20/90
 DEVELOPED: 9-9-90



SCALE: 1" = _____

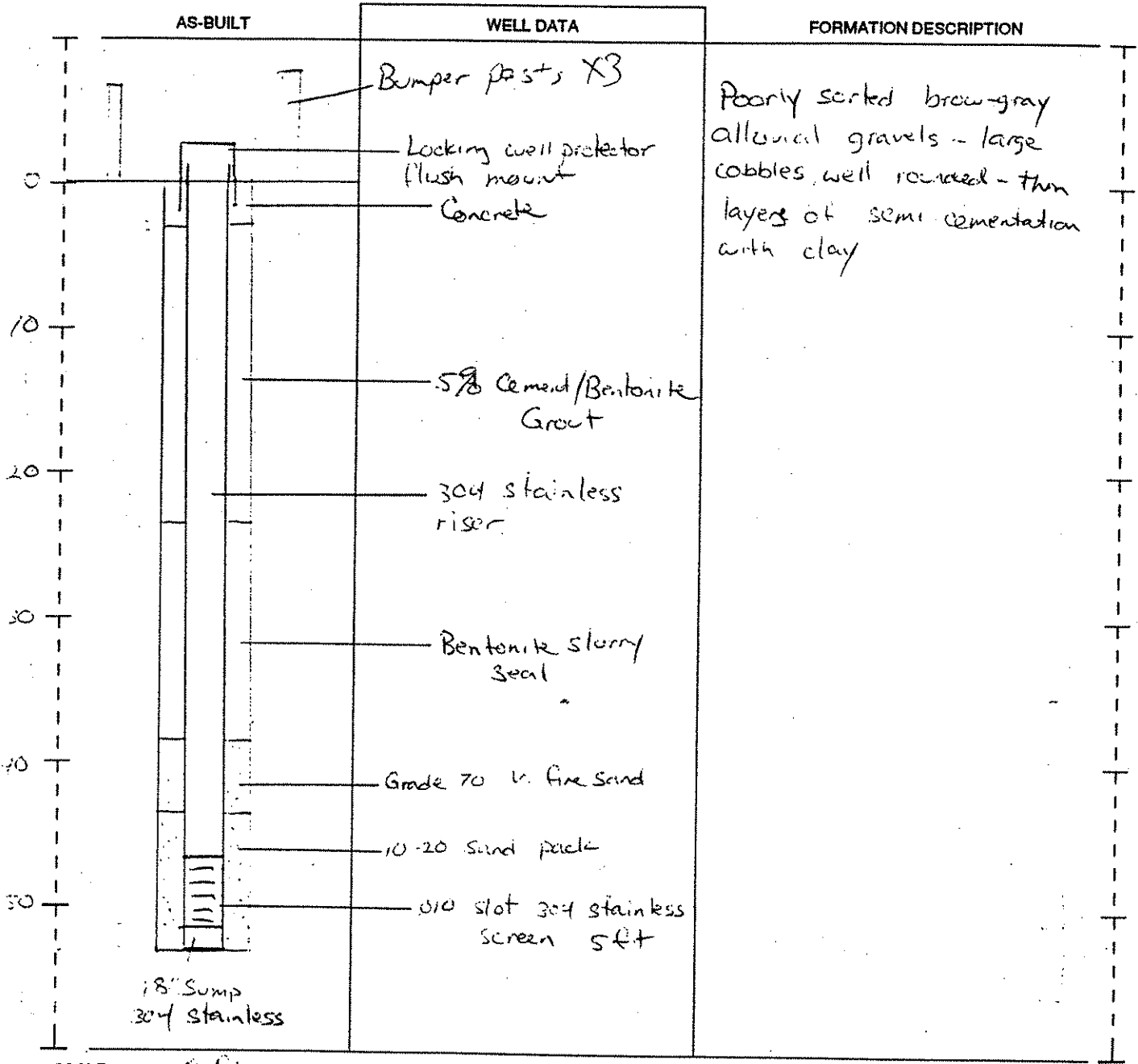
PAGE _____ OF _____

RESOURCE PROTECTION WELL REPORT

START CARD NO. 027247

PROJECT NAME: Wood Industries
 WELL IDENTIFICATION NO. W-5D
 DRILLING METHOD: Cable Tool
 DRILLER: Don Kruger
 FIRM: Onwego Drilling
 SIGNATURE: _____
 CONSULTING FIRM: John Mathes + Assoc
 REPRESENTATIVE: Donald A. Robbins

COUNTY: Yakima
 LOCATION: NW 1/4 NE 1/4 Sec 31 Twn 3N R19E
 STREET ADDRESS OF WELL: 2 E King St
Yakima WA
 WATER LEVEL ELEVATION: -1011
 GROUND SURFACE ELEVATION: ~1018
 INSTALLED: 3-16-90
 DEVELOPED: 9-12-90



SCALE: 1" = 10 ft

PAGE 1 OF 1

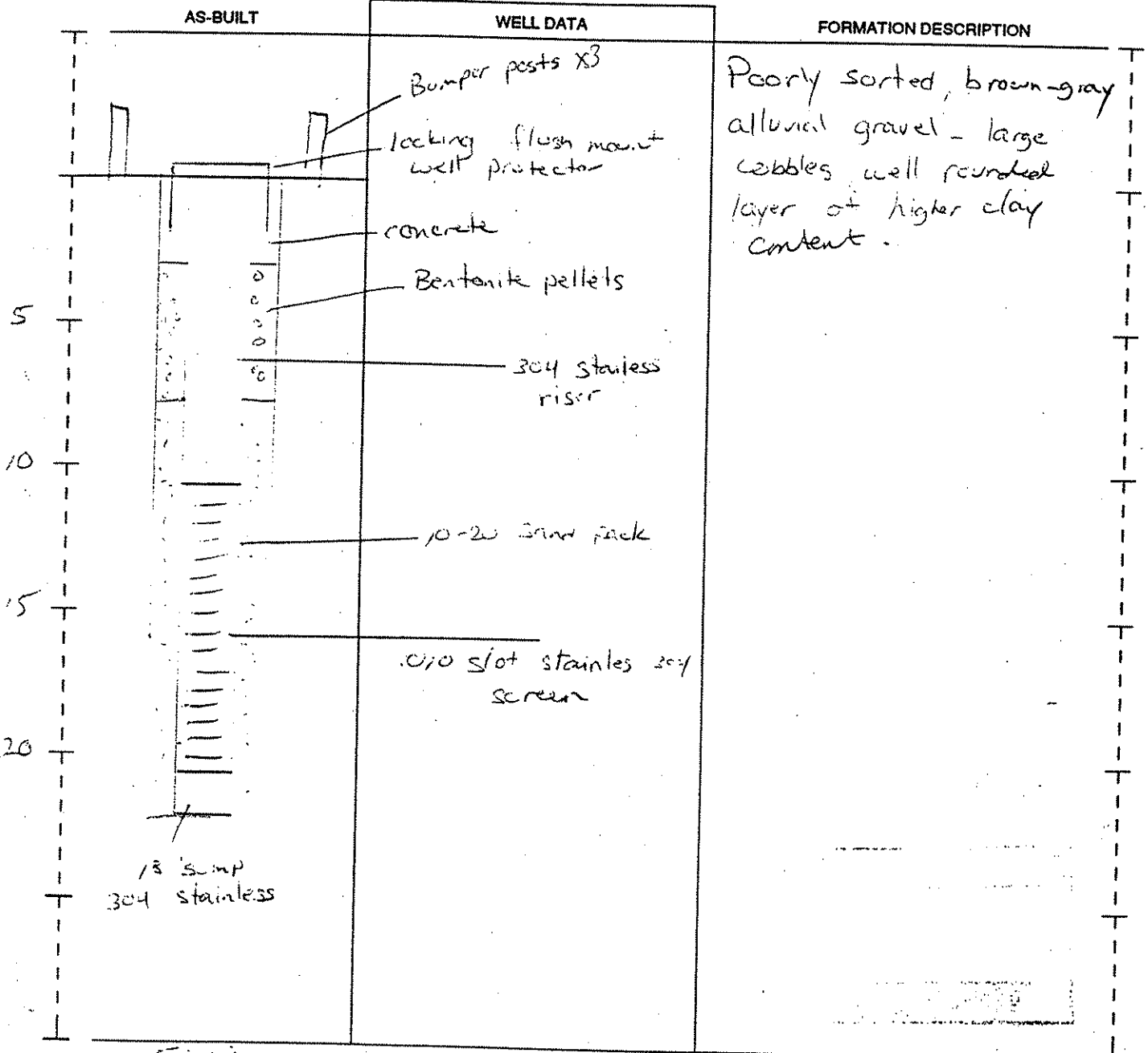
RESOURCE PROTECTION WELL REPORT

E

START CARD NO. 027247

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-55
 DRILLING METHOD: Cable Tool
 DRILLER: Onwego Drilling Don Kruger
 FIRM: _____
 SIGNATURE: _____
 CONSULTING FIRM: John Mathes + Assoc.
 REPRESENTATIVE: Donald A. Robbins

COUNTY: Yakima
 LOCATION: NE 1/4 NE 1/4 Sec 31 Twn 13N R 9E
 STREET ADDRESS OF WELL: 2 E King St
Yakima WA
 WATER LEVEL ELEVATION: ~1011
 GROUND SURFACE ELEVATION: ~1018
 INSTALLED: 8-17-90
 DEVELOPED: 9-11-90



SCALE: 1" = 5/16' vert

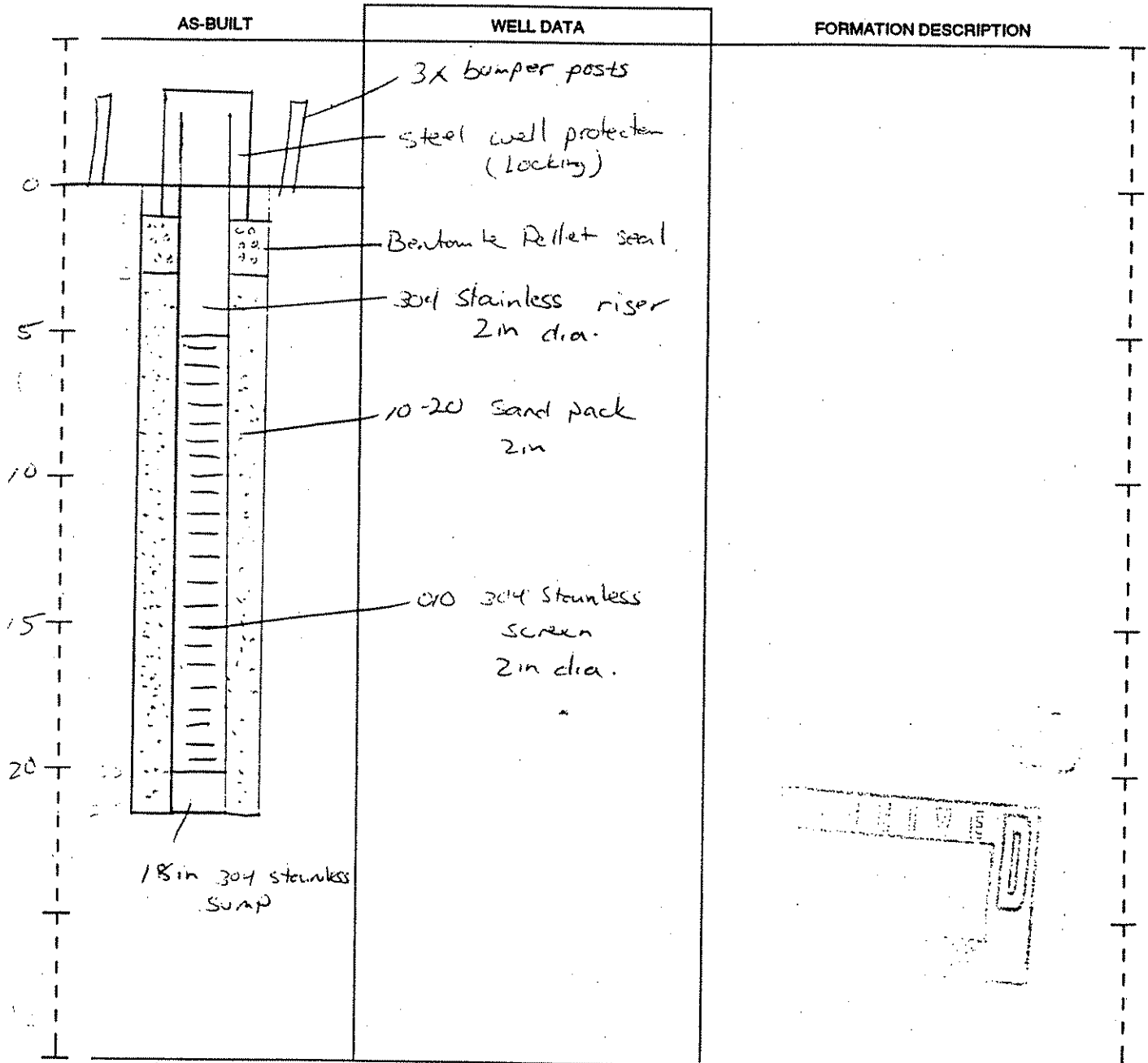
PAGE 1 OF 1

RESOURCE PROTECTION WELL REPORT

START CARD NO. 027 247

PROJECT NAME: Woods Industries
 WELL IDENTIFICATION NO. W-8
 DRILLING METHOD: Hollow Stem Auger
 DRILLER: J. Bignall
 FIRM: Mathes Exploration
 SIGNATURE: _____
 CONSULTING FIRM: John Mathes + Assoc.
 REPRESENTATIVE: K. Hugill

COUNTY: Yakima
 LOCATION: N^{1/4} NE 1/4 Sec 31 Twn 13N R 19E
 STREET ADDRESS OF WELL: 2 E King St.
Yakima WA 98
 WATER LEVEL ELEVATION: ~1010
 GROUND SURFACE ELEVATION: ~1015
 INSTALLED: 7/21/90
 DEVELOPED: 9-11-90



SCALE: 1" = 5' ft

PAGE _____ OF _____

WATER WELL REPORT

STATE OF WASHINGTON

Application No. _____

Permit No. _____

OWNER: Name MORRISON HANLSON Address P.O. BOX 79 BOISE ID 83707

LOCATION OF WELL: County YAKIMA NE - NW 1/4 NE 1/4 Sec 31 T. 13 N., R. 19 W.M.

earing and distance from section or subdivision corner R/N C/O P. HALL

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

(10) WELL LOG:

B

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
TOPSOIL & SILT SAND & RIVER GR	0	3
CLAY SAND	3	4
CLAY SAND & SILT	4	5
RIVER GR & SILT	5	8
CLAY SAND	8	10
CLAY SAND & SILT (CLAY) V.H.	10	11
CLAY SAND & SILT	11	13
CLAY SAND RIVER GR	13	15
CLAY SAND WATER	15	17

All material contained on site.

(4) TYPE OF WORK: Owner's number of well W1
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 8 X 4 inches.
Drilled 17 ft. Depth of completed well 16.6 ft.

(6) CONSTRUCTION DETAILS: STAINLESS

Casing installed: 4" Diam. from ±3 ft. to 5 ft.
Threaded " Diam. from _____ ft. to _____ ft.
Welded " Diam. from _____ ft. to _____ ft.

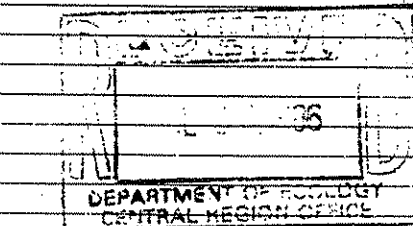
Perforations: Yes No
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes No
Manufacturer's Name JOHNSON
Type _____ Model No. _____
Diam. 4 Slot size 10 from 16.5 ft. to 16.5 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel: 1/4"
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? 1.5 ft.
Material used in seal Bentonite / cement
Did any strata contain unusable water? Yes No
Type of water? unknown Depth of strata _____
Method of sealing strata off _____

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



Well located in pit

(8) WATER LEVELS: Land-surface elevation 996 ft. above mean sea level.
Static level 5' ft. below top of well Date _____
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

Work started 7/11/86 19_____. Completed 7/11/86 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 R. H. H. Drilling
(Person, firm, or corporation) (Type or print)

Address 1503 E. Main Hill Yakima

[Signed] [Signature]
(Well Driller)

License No. 0422 CL-W Date 7/25/86 19_____.

(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: 12 gal./min. with 6 ft. drawdown after 1 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

WATER WELL REPORT

STATE OF WASHINGTON

Application No. _____

Permit No. 13

OWNER: Name SNO. 1151 Address _____

(2) LOCATION OF WELL: County Yakima 11/2 NE 1/4 Sec 31 T. 13 N. R. 9 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) 2
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 281 ft. Depth of completed well 277 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 1 ft. to 218 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 PVC
Type PVC Model No. _____
Diam. 4" Slot size 1/8" from 218 ft. to 277 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? 24" ft.
Material used in seal PORTLAND CEMENT
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name STP-111
Type: SW H.P. 5

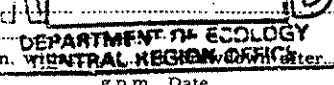
(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 112 ft. below top of well Date 10/21/86
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(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: 110 gal./min. with 31 ft. drawdown after 15 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. _____ g.p.m. Date _____ 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
Boulders, Cobble	0	13
Cobbles, SILT, sand, tan	13	22
Conglomerate, heavy SILT to clay, tan	22	51
Gravel, sand, SILT, water	51	61
Conglomerate, heavy	61	69
Conglomerate, SILT to gravel, tan	69	77
Gravel, sand, water	77	86
Conglomerate, tan	86	102
Gravel, cobbles, SILT, H ₂ O	102	120
Conglomerate, SILT w/ boulders	120	150
Gravel, sand, SILT, some water	150	158
Conglomerate, coarse w/ water	158	165
Conglomerate, SILT, H ₂ O	165	172
Conglomerate, w/ water	172	177
Gravel, w/ water	177	182
Conglomerate, V. heavy	182	188
Gravel, SILT, water	188	199
Conglomerate, w/ SILT	199	219
Conglomerate w/ water 45 GPM	219	223
Conglomerate, heavy	223	254
Conglomerate, some w/ little water in seams	254	260
water 75 GPM TOTAL	260	268
Conglomerate, SILT	268	277
Conglomerate, w/ water 100 T 60 PM TOTAL	277	281
Gravel, coarse water		

Work started 4/2/83 1986 Completed 10/21 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 Cassell Well Drilling (Person, firm, or corporation) (Type of print)

Address 1351 Coulter Yakima wa

[Signed] _____ (Well Driller)

License No. CC 13 Date 10/21 1986

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

OWNER: Name MOYRISON KINULSON ENG Address P.O. BOX 79 BOISE ID. 83707

LOCATION OF WELL: County YAKIMA NE - NW 1/4 NE 1/4 Sec 71 T. 13 N., R. 19 W.M.

Bearing and distance from section or subdivision corner B&A RR CROSSING

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

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

(5) DIMENSIONS: Diameter of well 8 1/2 inches.
 Drilled 57 ft. Depth of completed well 54 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 2" Diam. from +1.3 ft. to 44 ft.
 Threaded 2" Diam. from +2 ft. to 3 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 JOHNSON
 Type STAINLESS Model No.....
 Diam. 2 Slot size 20 from 44 ft. to 54 ft.
 Diam. 2 Slot size 10 from 3 ft. to 13 ft.

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

Surface seal: Yes No To what depth? 3 ft.
 Material used in seal.....
 Did any strata contain unusable water? Yes No
 Type of water?..... Depth of strata.....
 Method of sealing strata off.....

(7) PUMP: Manufacturer's Name.....
 Type: HP.

(8) WATER LEVELS: Land-surface elevation
 above mean sea level..... ft.
 Static level 7.5 + 7 ft. below top of well Date 7/14/86
 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)

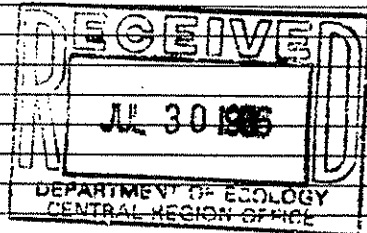
Time	Water Level	Time	Water Level	Time	Water Level

Date of test.....
 Bailor 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: 5
 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
CINDER FILL	m	0 1
SILTY GRAVEL	m	1 4
COARSE GRAVEL WITH SILT	MH	4 7
GRAVEL ROCK SILT BRN	MH	7 9
SANDY COARSE GRAVEL	M (w)	9 11
GRV SAND FINE Bldrs w	w	11 14
water		14 18
SILT COARSE GRV WATER		18 38
COARSE GRV SAND + Bldrs w		38 57
RIVER ROCK GRAVEL Bldrs Red		
BROWN Colored water		
EST 110 - 150 GPM		

ALL MATERIAL CONTAINED ON SITE
TWO 2" 5/8 SCREENS SET AT
TWO LEVELS IN 8' GORE
USED 43 BAGS SAND 200 LBS PULVER
BENTONITE AT 37 FT TO 39 FT SAND
PACK FROM 33' TO 13 FT - SCREEN FROM
13 FT TO 3 FT



Work started 7/14/86 19..... Completed 7/15/86 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 RIEBE WELL DRILLING
 (Person, firm, or corporation) (Type or print)

Address 1503 E. HDS #11 YAKIMA

[Signed] John H. RIEBE
 (Well Driller)

License No. 0423 C.W.D. Date 7/29/86 19.....

WATER WELL REPORT

STATE OF WASHINGTON

OWNER: Name MORRISON KNUDSEN Address P.O. Box 19 Boise ID 83707

LOCATION OF WELL: County YAKIMA NE - NW 1/4 NE 1/4 Sec 31 T. 13 N., R. 19 W.M.
Bearing and distance from section or subdivision corner S 88° RR CROPKING

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

(4) TYPE OF WORK: Owner's number of well W2
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 8" x 4" inches.
Drilled 22 ft. Depth of completed well 21 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 4 " Diam. from 3 ft. to 7 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 JOHNSON
Type SL Model No. _____
Diam. 4 Slot size 30 from 13.5 ft. to 21 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel: 2 1/8
Gravel placed from 6 ft. to 22 ft.

Surface seal: Yes No To what depth? 6 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 Samples

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

(8) WATER LEVELS: Land-surface elevation above mean sea level 1000 ft.
Static level 8.5 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: 12 gal./min. with 0 ft. drawdown after 1 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	THICKNESS	FROM	TO
CINDER CHUNKS	5	0	Y2
SILT & FINE GRAVEL	m	Y2	4
DARK BRN GRAVEL	m most	4	6
SILT & GRUL	m "	6	7
SILT BLDS & GRAVEL	H most	7	8
Dark fine sand blks pace H water		8	12
FINE SAND GRUL & BLDS pace w		12	15 1/2
" " " " Redden w		15 1/2	17 1/2
COARSE SAND GRAVEL water		17 1/2	22

ALL MATERIAL CONTAINED ON SITE.

RECEIVED

JUL 30 1986

DEPARTMENT OF ECOLOGY
GENERAL REGIONS

Work started 7/12/86, 19____ Completed 7/12/86, 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 RIFLE WELL Drilling
(Person, firm, or corporation) (Type or print)

Address 1503 E. 1206th W. Yakima

[Signed] Jalen H. Rife
(Well Driller)

License No. 0422 Date 7/29/86, 19____

WATER WELL REPORT

Application No.

STATE OF WASHINGTON

Permit No.

OWNER: Name MCKILSEN-HUDSON ENG. INC. Address P.O. Box 79, Bellingham, WA 98227

LOCATION OF WELL: County YAKIMA NE- NW 1/4 NE 1/4 Sec 31 T. 13 N. R. 17 W.M.

Bearing and distance from section or subdivision corner B&H S of Mound City line

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

(4) TYPE OF WORK: Owner's number of well (if more than one) W3
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 8 x 4 inches.
Drilled 17' 6" ft. Depth of completed well 231.6 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 4 " Diam. from ±2 ft. to 741 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 5/5
Manufacturer's Name JOHNSON
Type SHANKS Model No. LOS TAVEL
Diam. 3 Slot size from ft. to ft.
Diam. 4 Slot size 3.0 from 7 ft. to 2.2 ft.

Gravel packed: Yes No Size of gravel: 8/16
Gravel placed from 7 ft. to 22.6 ft.

Surface seal: Yes No To what depth? 7 ft.
Material used in seal Benmont Cement
Did any strata contain unusable water? Yes No
Type of water?..... Depth of strata.....
Method of sealing strata off.....

(7) PUMP: Manufacturer's Name.....
Type:..... HP

(8) WATER LEVELS: Land-surface elevation above mean sea level 1000 ft.
Static level 9 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? ENG.
Yield: 11 gal./min. with 2 ft. drawdown after 1 hrs.

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

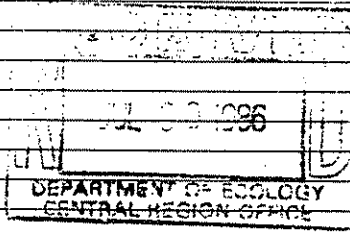
Time	Water Level	Time	Water Level	Time	Water Level

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: B
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
<u>BLK & GRN. CLAY & SAND</u>	<u>0</u>	<u>2</u>
<u>SAND GRN. SILT. ROCK (BLK) H</u>	<u>2</u>	<u>3</u>
<u>GRN. SAND GRAY BLK H</u>	<u>3</u>	<u>5</u>
<u>BLK. GRN. SILT SAND UH</u>	<u>5</u>	<u>7</u>
<u>BLK. GRN. SAND CONGLOMERATE</u>	<u>7</u>	<u>12</u>
<u>BLK. GRN. ROCK (UH)</u>	<u>12</u>	<u>15</u>
<u>BLK. GRN. SAND - UH</u>	<u>15</u>	<u>17</u>
<u>GRN. SAND SILT WATER H</u>	<u>17</u>	<u>23.6</u>

ALL MATERIAL CONTAINED ON SITE



Work started 7/5/86, 19..... Completed 7/10/86, 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 RIEBE WELL DRILLING (Type or print)
(Person, firm, or corporation)

Address 1503 E. N05 14th (YAKIMA)

[Signed] Jalen H. Riebe
(Well Driller)

License No. 0422 C.W.D. Date 7/28/86, 19.....

WATER WELL REPORT

Application No.

STATE OF WASHINGTON

Permit No. D

(1) OWNER: Name, JAMES E. MOORE ^{P.O. BOX 75451} SEATTLE, WA 98133 Address, 2354 5th St SE CARIMA, WA

LOCATION OF WELL: County, YAKIMA - 3 1/2 W 1/2 NW Sec. 21 T. 13 N. R. 19 W.M.

ing and distance from section or subdivision corner CASPER - FOURTH

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

(10) WELL LOG: Monitoring well.

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

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
RINCE D. FILL - CINDERS BK BRN	0	3
CINDERS GRAVEL - BK - BRN	3	17
GRAVEL COBBLES SAND BK - BRN H	7	9
GRAVEL SAND SILT BK BRN H	9	13
SAND SILT & GRAVEL - YELLOW BK BRN H	13	14
SAND GRAVEL BK BK BK BK BK BK BK H	14	16
SAND GRAVEL BK BK BK BK BK BK BK H	16	19
SILT SAND GRAVEL - RED BRN H	19	20
		30

(5) DIMENSIONS: Diameter of well 6 x 2 inches.
Drilled 19/16 ft. Depth of completed well 10/20 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 4" ft. to 3" 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 HARDING
Type PVC Model No.....
Diam. 2 Slot size 30 from 6 ft. to 16 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes No Size of gravel: #16 Slic
Gravel placed from ft. to ft.

Surface seal: Yes No To what depth? 6 ft 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 SAND CEMENT

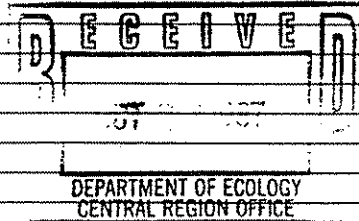
(7) PUMP: Manufacturer's Name.....
Type:..... HP.....

(8) WATER LEVELS: Land-surface elevation above mean sea level..... ft.
Static level 18" met. 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

WATER RED BROWN 30

30 GPM



Work started 10/20/87, 19..... Completed 10/20/87, 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 RIBBE WELL DRILLING INC
(Person, firm, or corporation) (Type or print)
Address PO BOX 10866 YAKIMA
[Signed] John H. Ribbe
(Well Driller)
License No. 0427 Date 10 20, 19 87

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

1851
Start Card No. 25607
F.I.
O.P.

OWNER: Name LONGVIEW FIBER Address LONGVIEW RD - PO BOX 9069, YAK 9:

LOCATION OF WELL: County YAKIMA % SE % Sec. 31 T. 13 N. R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) _____

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 3
 Abandoned New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 2 inches.
 Drilled 10 feet. Depth of completed well 10 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 5 * Diam. from +2 ft. to -4 ft.
 Welded * Diam. from _____ ft. to _____ ft.
 Liner installed
 Threaded 2 * Diam. from +1 ft. to 5 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 TRI LOCK
 Type PVC Model No. _____
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.
 Diam. 2 Slot size 20 from 5 ft. to 10 ft.

Gravel packed: Yes No Size of gravel 10-20 COLORADO
 Gravel placed from 4 ft. to 10 ft.

Surface seal: Yes No To what depth? 4 ft.
 Material used in seal BENTONITE, CEMENT TO SURFACE
 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 5-10-89
 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.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
SILTY SOIL	0	5
GRAVEL COBBLES SAND	5	10

RECEIVED

DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

Work started 5-10-89, 19. Completed 5-10-89, 19.

WELL CONSTRUCTOR CERTIFICATION:

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

NAME RIEBE Well Drilling Inc.
 (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address PO BOX 10866 YAKIMA WA.

(Signed) Jm Riebe License No. 0422
 (WELL DRILLER)

Contractor's Registration No. 13261 Date 5-10-89, 19.

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

STATE OF WASHINGTON

1850

Start Card No. 25607

Water Right Permit No. _____

OWNER: Name LONGVIEW FIBER

Address POBOX 9069 YAKIMA WA 98909

(1) LOCATION OF WELL: County YAKIMA

Sec. 31 T. 13 N. R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address): LONG FIBER ROAD

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

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 3
 Abandoned New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

MATERIAL	FROM	TO
<u>COBBLES, SANDY SILT</u>	<u>10</u>	<u>10.6'</u>

(5) DIMENSIONS: Diameter of well 2 inches.
 Drilled 10'6" feet. Depth of completed well 10'6" ft.

(6) CONSTRUCTION DETAILS:

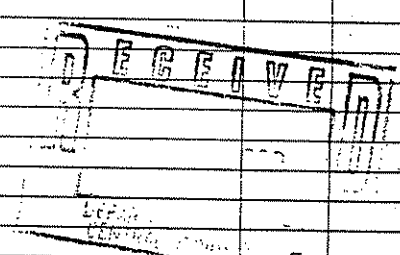
Casing installed: 6 " Diam. from 2 ft. to 4 ft.
 Welded 2 " Diam. from _____ ft. to _____ ft.
 Liner installed
 Threaded 2 " Diam. from 1 ft. to 5 ft.

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 TRILCK
 Type PVC Model No. _____
 Diam. 2 Slot size 20 from 5 ft. to 10 ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 10-20 COARSE
 Gravel placed from 4 ft. to 10 ft.

Surface seal: Yes No To what depth? _____ ft.
 Material used in seal BENTONITE 3'-4' CEMENT TO SURFACE
 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 5-10-89
 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.
 Airstest _____ gal./min. with stem set at _____ ft. for _____ hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water _____ Was a chemical analysis made? Yes No

Work started 5-10-89, 19____. Completed 5-10-89, 19____.

WELL CONSTRUCTOR CERTIFICATION:

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

NAME RIEBE Well Drilling Inc.
 (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address POBOX 10866 YAKIMA WA 98909

(Signed) _____ License No. 0422
 (WELL DRILLER)

Contractor's Registration No. 132K1 Date 5-10-89, 19____

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

1849
Start Card No. 25607

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name LONGVIEW FIBER

Address PO BOX 9069 YAKIMA WA 98909

(-) LOCATION OF WELL: County YAKIMA SE 1/4 Sec 31 T. 13 N., R. 19 W.M.
(2a) STREET ADDRESS OF WELL (or nearest address) LONGVIEW ROAD

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

(4) TYPE OF WORK: Owner's number of well (if more than one) 3
Abandoned New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 2 inches.
Drilled 10'6" feet. Depth of completed well 10'6" ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 2 ft. Diam. from 12 ft. to 4 ft.
Welded Diam. from _____ ft. to _____ ft.
Liner installed
Threaded 2 ft. Diam. from 21 ft. to 5 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 TRILOCK
Type PVC Model No. _____
Diam. 2 Slot size 20 from 5 ft. to 10 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 10-20 Colcoado
Gravel placed from 4 ft. to 10 ft.

Surface seal: Yes No To what depth? _____ ft.
Material used in seal BENTONITE 3'-4' CEMENT TO SURFACE
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 5-10-89
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.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
<u>BLACK SOIL ELWATER</u>	<u>0</u>	<u>10.6'</u>

Work started 5-10-89, 19. Completed 5-10-89, 19.

WELL CONSTRUCTOR CERTIFICATION:

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

NAME RIEBE WELL DRILLING INC. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address PO BOX 10866 YAKIMA WA 98909

(Signed) [Signature] License No. 0422
(WELL DRILLER)
Contractor's Registration No. 13251 Date 5-10-89, 19.

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 011506
Permit No. _____

(1) OWNER: Name: AL FRANK Address: DAMES + MOORE P.O. # SA 4405
LOCATION OF WELL: County: YAKIMA - 1/4 SE 1/4 Sec. 31 T. 13 N. R. 19 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 2 inches.
Drilled 20 ft. Depth of completed well 20'6" ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 2 ft. to 20 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: HYDROPHILIC
Type: PVC Model No. _____
Diam. 2 Slot size: 0.10 from 7 ft. to 17 ft.
Diam. 2 Slot size 0 from 2 ft. to 7 ft.

Gravel packed: Yes No Size of gravel: # 8
Gravel placed from 5 ft. to 20 ft.

Surface seal: Yes No To what depth? _____ ft.
Material used in seal: BENTONITE CEMENT
Did any strata contain unusable water? Yes No
Type of water? N/A Depth of strata _____
Method of sealing strata off _____

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

(8) WATER LEVELS: Land-surface elevation _____ ft.
Static level 9' ft. below top of well Date: 3/18/88
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 _____
Flow 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
SANDY CLAYSON GRAVEL	0	1
GRAVEL SAND	1	2
COBBLES GRAVEL SAND	2	5
SAND GRAVEL	5	7
GRAVEL LITTLE SAND	7	9
GRAVEL SAND SIFT	9	11
GRAVEL SAND PACK SIFT	11	14
SILT SAND GRAVEL	14	15'6"
SILTY GRAVEL COBBLES	15'6"	18
GRAVEL SAND SIFT	18	19
GRAVEL SAND SIFT	19	19'6"
GRAVEL SAND	19'6"	20'6"
GRAVEL SAND	20'	

Work started: 3/18 1988 Completed: 3/18 1988

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: RIEBC WELL DRILLING, INC. (Type or print)
(Person, firm, or corporation)
Address: P.O. BOX 10866, YAKIMA 98909-1866
[Signed] John H. Riebc (Well Driller)
License No. 0427 Date: 3/18, 1988

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 011506

Permit No.

(1) **OWNER:** Name AL FRANK Address DAMES + MOORE PO#SA4405
LOCATION OF WELL: County YAKIMA SE 1/4 Sec. 31 T. 13 N. R. 19 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 2 inches.
 Drilled 20 ft. Depth of completed well 17 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 2" Diam. from 43 ft. to 20 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 HYDROPHILIC
 Type PVC Model No.
 Diam. 2 Slot size 0.10 from 7 ft. to 17 ft.
 Diam. 2 Slot size 0 from 42 ft. to 7 ft.

Gravel packed: Yes No Size of gravel: 8
 Gravel placed from 5 ft. to 20 ft.

Surface seal: Yes No To what depth?..... ft.
 Material used in seal BENTONITE CEMENT
 Did any strata contain unusable water? Yes No
 Type of water? N/A 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 8'6" ft. below top of well Date 3/17/88
 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.
 " " N/A " " " " " " " " " " " "

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.....
 Sailer 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
TOP SOIL	0	1
GRAVEL SAND RIVER ROCK	1	2
SAND CLAY GRAVEL (BRN)	2	4
GRAVEL SAND (BIR)	4	6
SILT SAND GRAVEL	6	9
SILT SAND GRAVEL	9	15
GRAVEL	15	19
GRAVEL SAND BUILDUP	19	20.5"

Work started 3/17 1988 Completed 3/17 1988

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 RIEBE WELL DRILLING INC
 (Person, firm, or corporation) (Type or print)

Address P.O. Box 10866 YAKIMA 98909-086

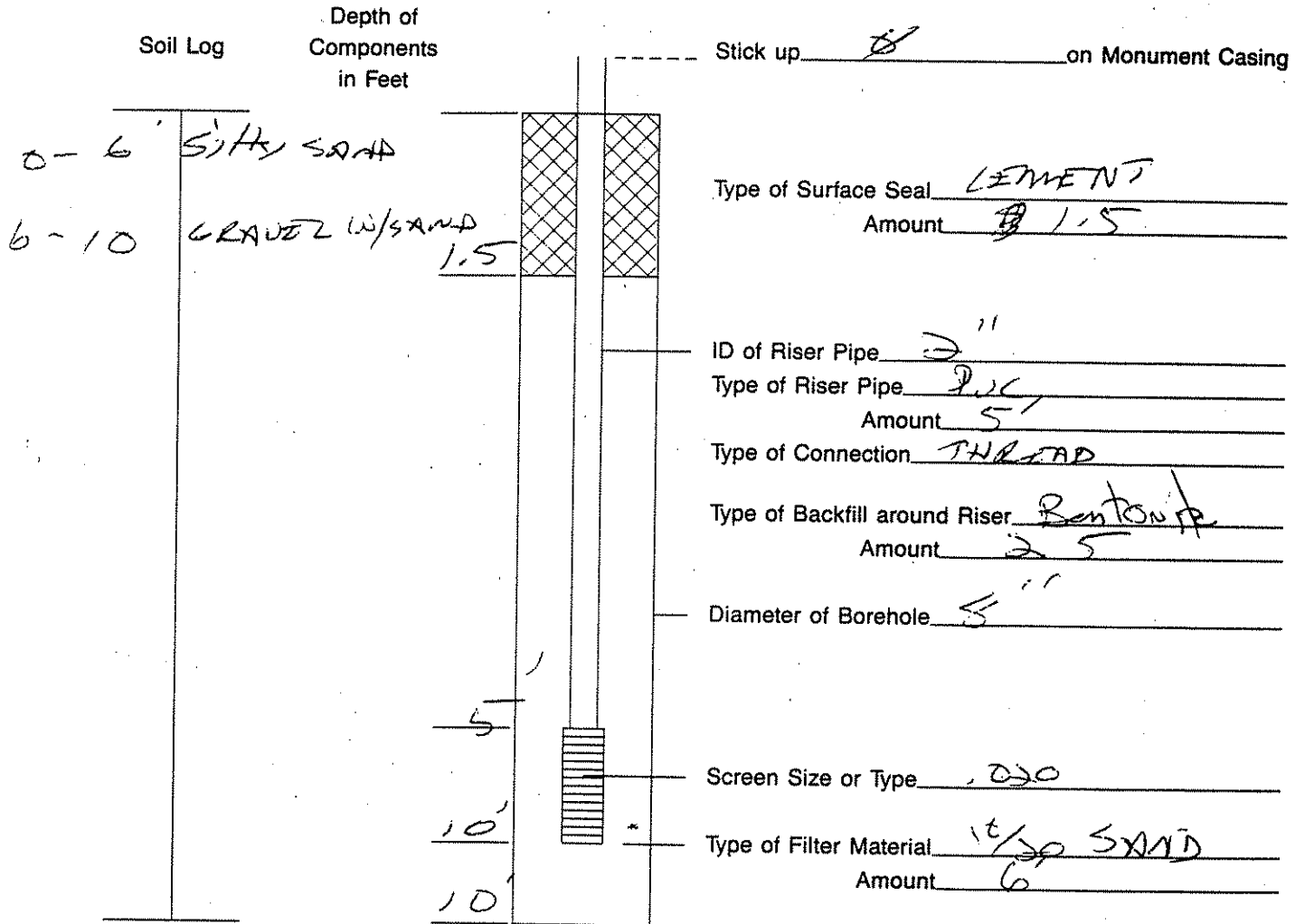
[Signed] John H. Riebe
 (Well Driller)

License No. 0422 Date 3/18 1988

HOLT DRILLING, INC.

Resource Protection Well Report

Project Name UNION GAP WATER SYSTEM EXPANSION Date 3-8-73
 Well Identification # MW-W4 County WAKAMA SW 1/4 SW 1/4 N
 Drilling Method HSA Section 31 T. 13N R. 19E
 Driller STEVEN NUMAN Start Card 213490
 License # 1878 Consulting Firm HUG WEST



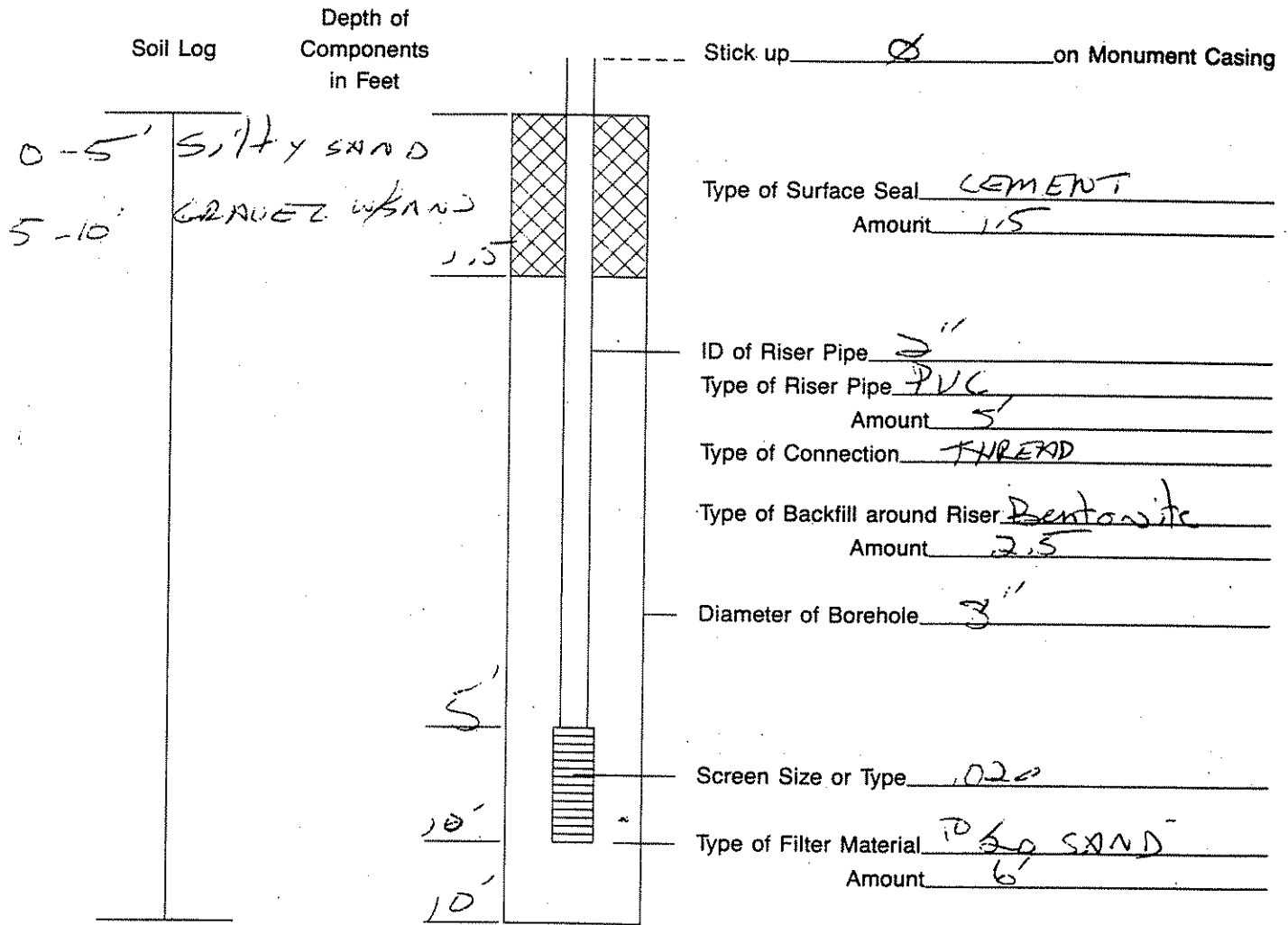
Remarks: _____

Signature Steven Numan

HOLT DRILLING, INC.

Resource Protection Well Report

Project Name LINCOLN GAP WATER SYSTEM EXPANSION Date 3-8-93
 Well Identification # MW-63 County YAKIMA SW 1/4 SW 1/4 N
 Drilling Method HSX Section 31 T. 13N R. 19E
 Driller STEVE HAUMAN Start Card 213490
 License # 1888 Consulting Firm HAND WEST



Stick up Ø on Monument Casing

Type of Surface Seal CEMENT
 Amount 1.5

ID of Riser Pipe 3"
 Type of Riser Pipe PVC
 Amount 5'
 Type of Connection THREAD

Type of Backfill around Riser Bentonite
 Amount 2.5

Diameter of Borehole 3"

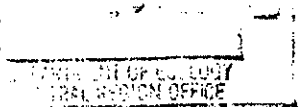
Screen Size or Type .020
 Type of Filter Material 10/20 SAND
 Amount 6'

Remarks: _____

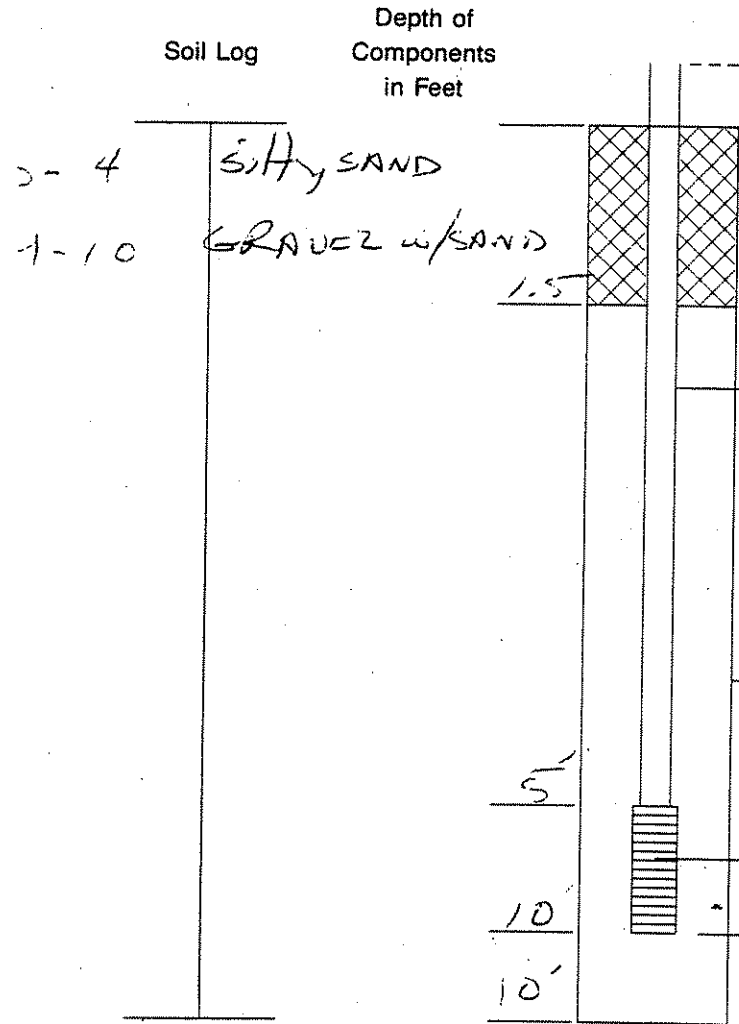
Signature Steve Hauman

HOLT DRILLING, INC.

Resource Protection Well Report



Project Name UNION GAP WATER SYSTEM EXPANSION Date 3-8-93
 Well Identification # MLW - 002 County YAKIMA SW 1/4 SW 1/4 N
 Drilling Method HSA Section 31 T. 13N R. 19E
 Driller STEVE HAUMAN Start Card _____
 License # 12345 Consulting Firm HAND WEST



Stick up 0 on Monument Casing

Type of Surface Seal CEMENT
 Amount 1.5

ID of Riser Pipe 2"
 Type of Riser Pipe PVC
 Amount 5

Type of Connection THREAD

Type of Backfill around Riser PERLITE
 Amount 2.5

Diameter of Borehole 3"

Screen Size or Type 60

Type of Filter Material 10/20 SAND
 Amount 6'

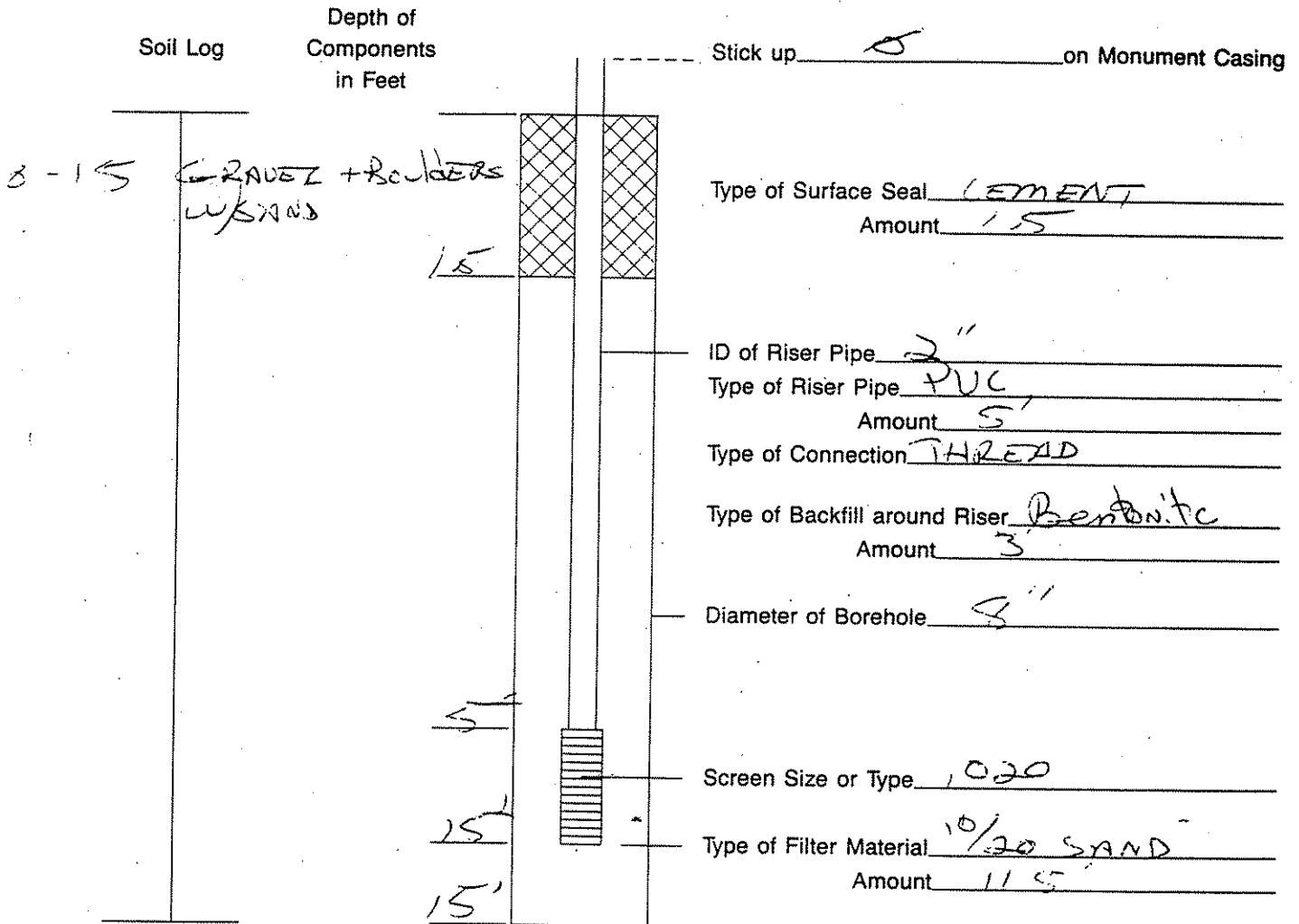
Remarks: _____

Signature Steve Hauman

HOLT DRILLING, INC.

Resource Protection Well Report

Project Name UNION GAP WATER SYSTEM EXPANSION Date 3-5-93
 Well Identification # MMW-W1 County YAKIMA SW 1/4 SW 1/4
 Drilling Method NSA Section 31 T. 13N R. 19E
 Driller STEVE BAUMAN Start Card 213490
 License # 1888 Consulting Firm HONG WEST



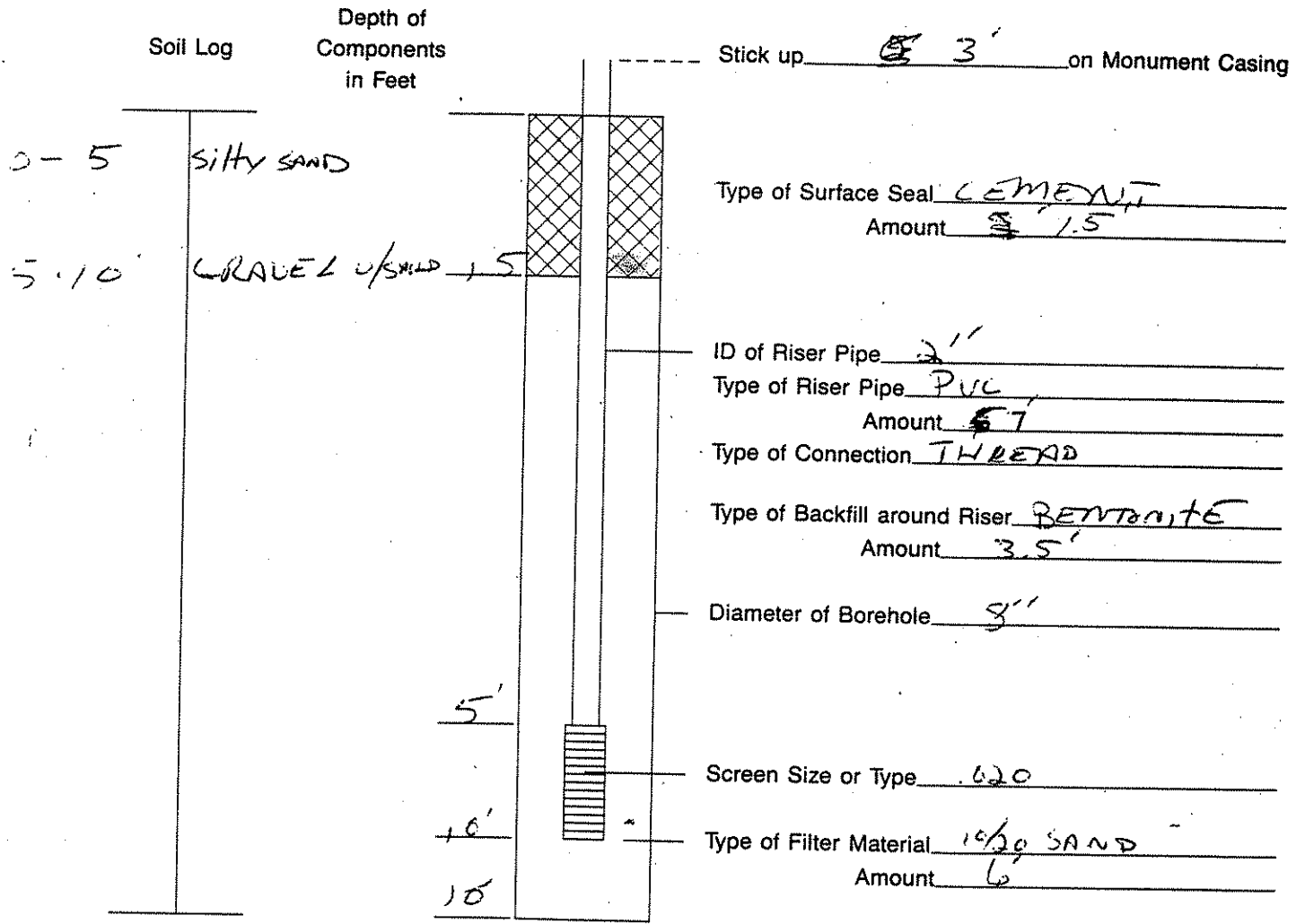
Remarks: _____

Signature Steve Bauman

HOLT DRILLING, INC.

Resource Protection Well Report

Project Name UNION GAP WATER SYSTEM EXPANSION Date 3-3-93
 Well Identification # MW-S1 County YAKIMA SW 1/4 SW 1/4
 Drilling Method HSA Section 31 T.13N R.19E
 Driller STEVE LAUMAN Start Card 213490
 License # 1888 Consulting Firm HONG WEST



Remarks: _____

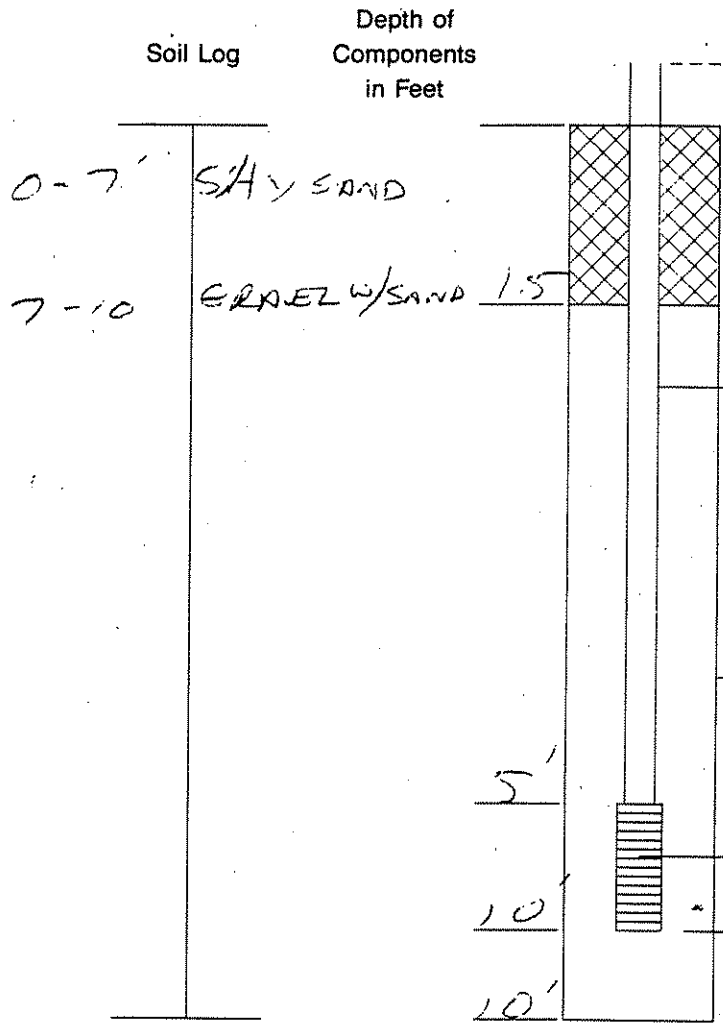
Signature Steve Lauman

5709

HOLT DRILLING, INC.

Resource Protection Well Report

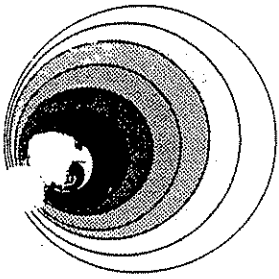
Project Name UNION GAP WATER SYSTEM EXPANSION Date 3-3-93
 Well Identification # MW-52 County YAKIMA SW 1/4 SW 1/4
 Drilling Method HSA Section 31 T. 12N R. 19E
 Driller STEVE HAUMAN Start Card 213490
 License # 1888 Consulting Firm HONG WEST



Type of Surface Seal CEMENT
 Amount 1.5'
 ID of Riser Pipe 2"
 Type of Riser Pipe PVC
 Amount 8.7'
 Type of Connection THREAD
 Type of Backfill around Riser Bentonite
 Amount 3.5'
 Diameter of Borehole 8"
 Screen Size or Type .020
 Type of Filter Material 10/20 SAND
 Amount 6'

Remarks: _____

Signature Steve Hauman



SOIL SAMPLING SERVICE, INC.

1415 MERIDIAN EAST, PUYALLUP, WA 98371-1399

FEDERAL ID #: 91-0762274 WA CONT. #SOIL SS*344LO

Geotechnical, Engineering & Mineral Exploration Drilling • Instrumentation • Horizontal Drains
Ground Water Monitoring • Hazardous Waste Identification • Well Abandonments

582

(206) 927-3173
TELEX: 466762
FAX: (206) 927-3478

M

RESOURCE PROTECTION WELL REPORT

PROJECT NAME: JACK POT GAS STATION

WELL IDENTIFICATION NO.: MW-001, 002, 003, 004

DRILLING METHOD: AIR ROTARY

DRILLER: P. KETVINTIS Roll

JOB #: W3026 START CARD NO.: 062427

COUNTY: YAKIMA CITY: YAKIMA

LOCATION: _____ 1/4 NW 1/4 SW 1/4

SEC.: 5 TOWN: WN RANGE: 19E

DATUM: _____

SIGNATURE: P. Ketvintis

WATER LEVEL ELEVATION: _____

CONSULTING FIRM: SHANNON & WILSON

INSTALLED: 8/12/91 8/13/91

REPRESENTATIVE: _____

DEVELOPED: _____

WELL DATA	AS BUILT	FORMATION DESCRIPTION
	<p>SEE SHEETS ATTACHED</p>	

SCALE: 1" = _____

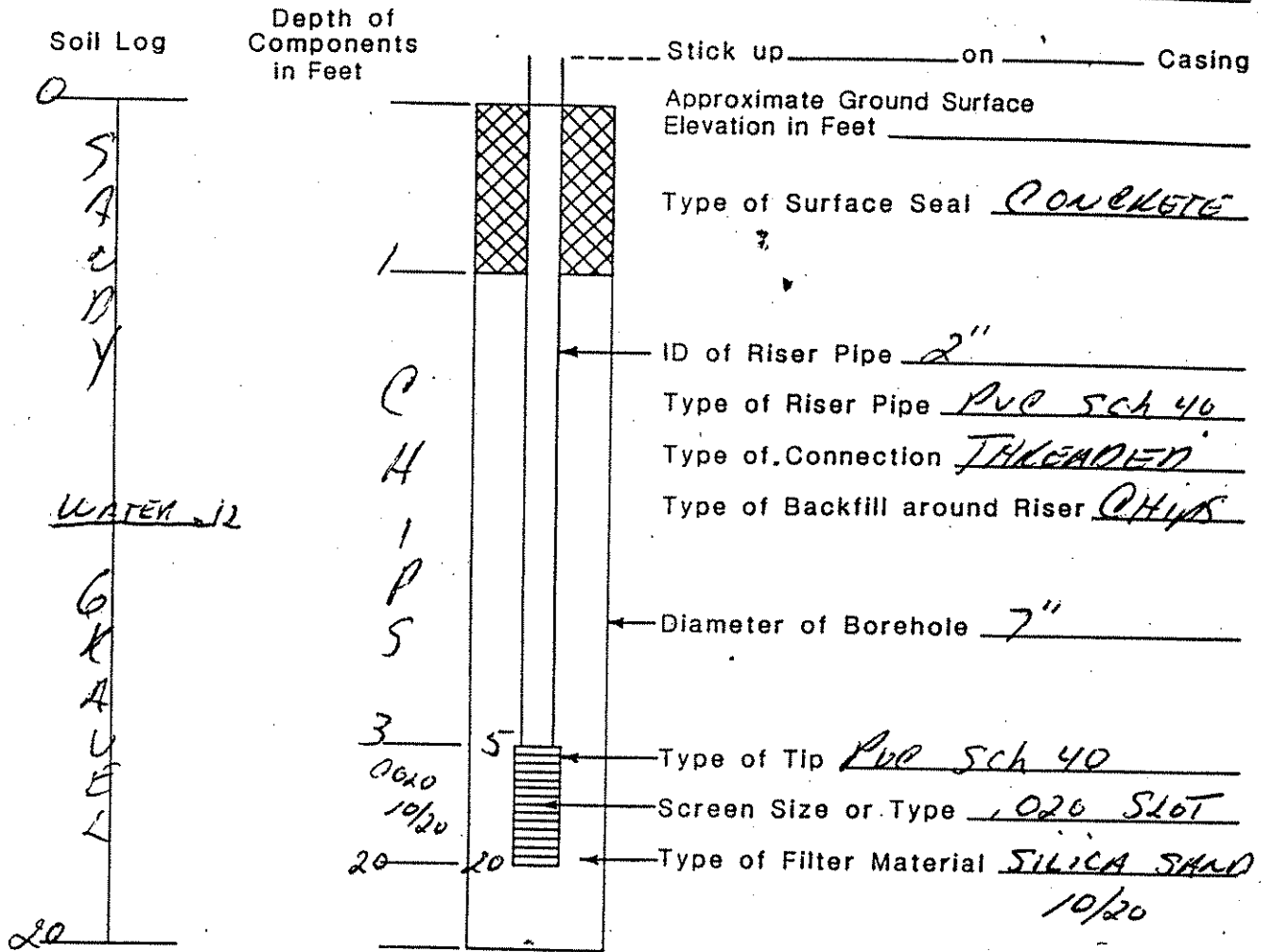
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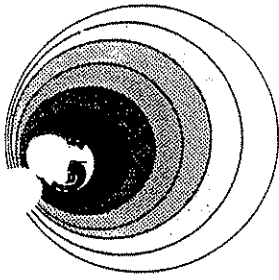
Monitoring Well Installation Report - Boring MW 004

Project _____ Job No. _____ Date 8/14/91

Location _____ HC Observer _____ Driller KETVICK

Type of Well (Observation, Sampling, etc.) MONITORING





SOIL SAMPLING SERVICE, INC.

1415 MERIDIAN EAST, PUYALLUP, WA 98371-1399

FEDERAL ID #: 91-0762274 WA CONT. #SOIL SS*344LO

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Ground Water Monitoring • Hazardous Waste Identification • Well Abandonments

(206) 927-3173

TELEX: 466762

FAX: (206) 927-3478

MC

RESOURCE PROTECTION WELL REPORT

PROJECT NAME: JACK POT GAS STATION

JOB #: W3026 START CARD NO.: 062427

WELL IDENTIFICATION NO.: MW-001, 002, 003, 004

COUNTY: YAKIMA CITY: YAKIMA

DRILLING METHOD: AIR ROTARY

LOCATION: _____ 1/4 NW 1/4 SW 1/4

DRILLER: P. KETVICKI Roll

SEC.: 5 TOWN: NW RANGE: 19E

SIGNATURE: P. Ketvicki

DATUM: _____

CONSULTING FIRM: SHANNON & WILSON

WATER LEVEL ELEVATION: _____

REPRESENTATIVE: _____

INSTALLED: 8/12/91 8/13/91

DEVELOPED: _____

WELL DATA	AS BUILT	FORMATION DESCRIPTION
	<p>SEE SHEETS ATTACHED</p>	

SCALE: 1" = _____

PAGE _____ OF _____

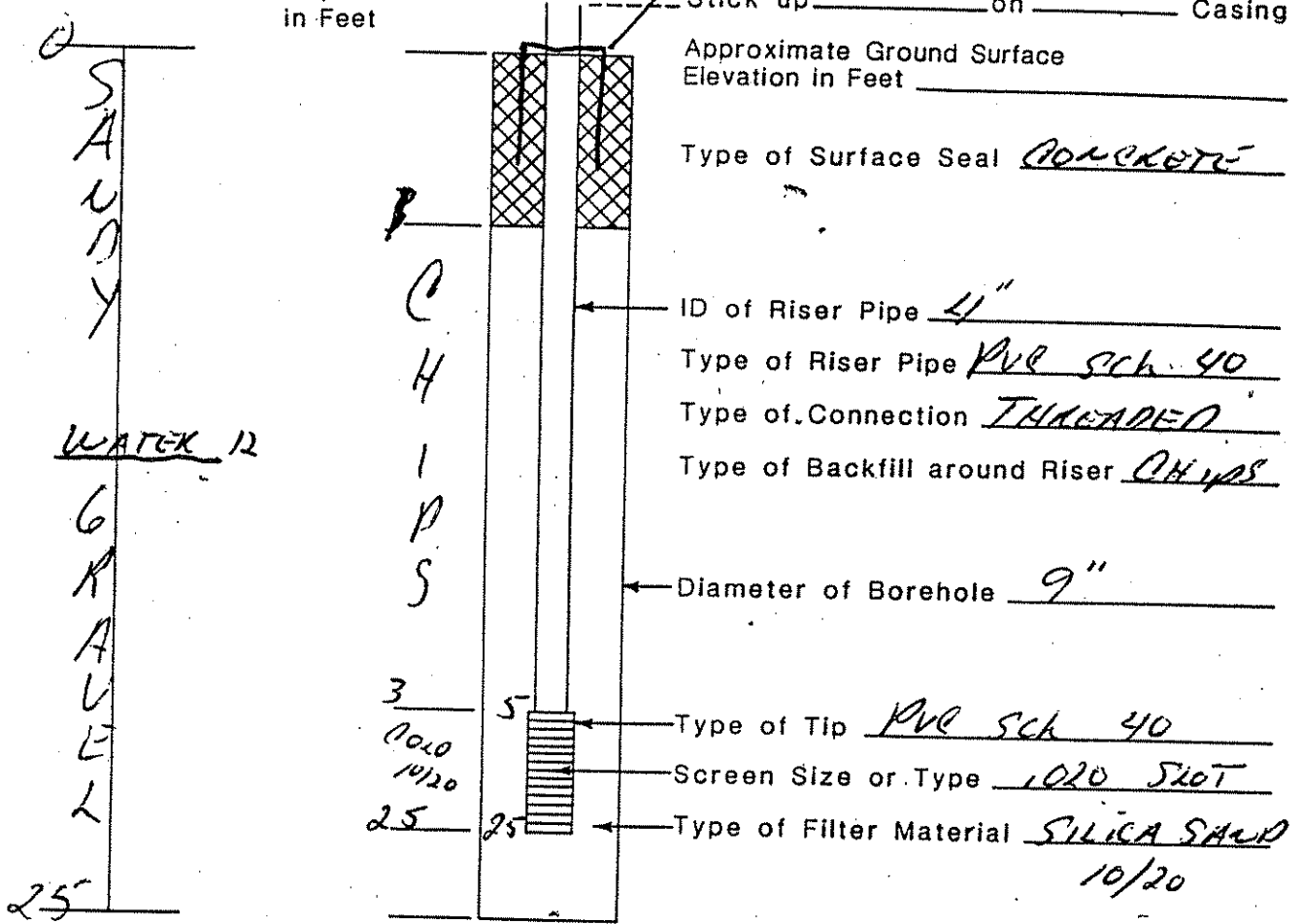
Monitoring Well Installation Report - Boring MW 002

Project _____ Job No. _____ Date 8/13/91

Location _____ HC Observer _____ Driller KETVINT

Type of Well (Observation, Sampling, etc.) MONITORING

Soil Log _____ Depth of Components in Feet _____ Locking Monument Stick up _____ on _____ Casing



Approximate Ground Surface Elevation in Feet _____

Type of Surface Seal CONCRETE

ID of Riser Pipe 4"

Type of Riser Pipe PVC SCH. 40

Type of Connection THREADED

Type of Backfill around Riser CHIPS

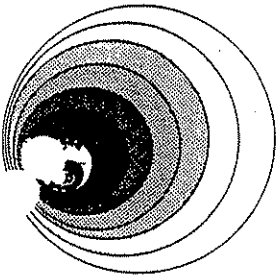
Diameter of Borehole 9"

Type of Tip PVC SCH. 40

Screen Size or Type 10/20 SLOT

Type of Filter Material SILICA SAND

10/20



SOIL SAMPLING SERVICE, INC.

1415 MERIDIAN EAST, PUYALLUP, WA 98371-1399

FEDERAL ID #: 91-0762274 WA CONT. #SOIL SS*344LO

Geotechnical, Engineering & Mineral Exploration Drilling • Instrumentation • Horizontal Drains
Ground Water Monitoring • Hazardous Waste Identification • Well Abandonments

(206) 927-3173

TELEX: 466762

FAX: (206) 927-3478

M

RESOURCE PROTECTION WELL REPORT

PROJECT NAME: JACK POT GAS STATION

JOB #: 1103026 START CARD NO.: 062427

WELL IDENTIFICATION NO.: MW-001, 002, 003, 004

COUNTY: YAKIMA CITY: YAKIMA

DRILLING METHOD: AIR ROTARY

LOCATION: _____ 1/4 NW 1/4 SW 1/4

DRILLER: O. KETVINTZ Roll

SEC.: 5 TOWN: 12N RANGE: 19E

SIGNATURE: O. Ketvintz

DATUM: _____

CONSULTING FIRM: SHANNON & WILSON

WATER LEVEL ELEVATION: _____

REPRESENTATIVE: _____

INSTALLED: 8/12/91 8/13/91

DEVELOPED: _____

WELL DATA	AS BUILT	FORMATION DESCRIPTION
	<p>SEE SHEETS ATTACHED</p>	

SCALE: 1" = _____

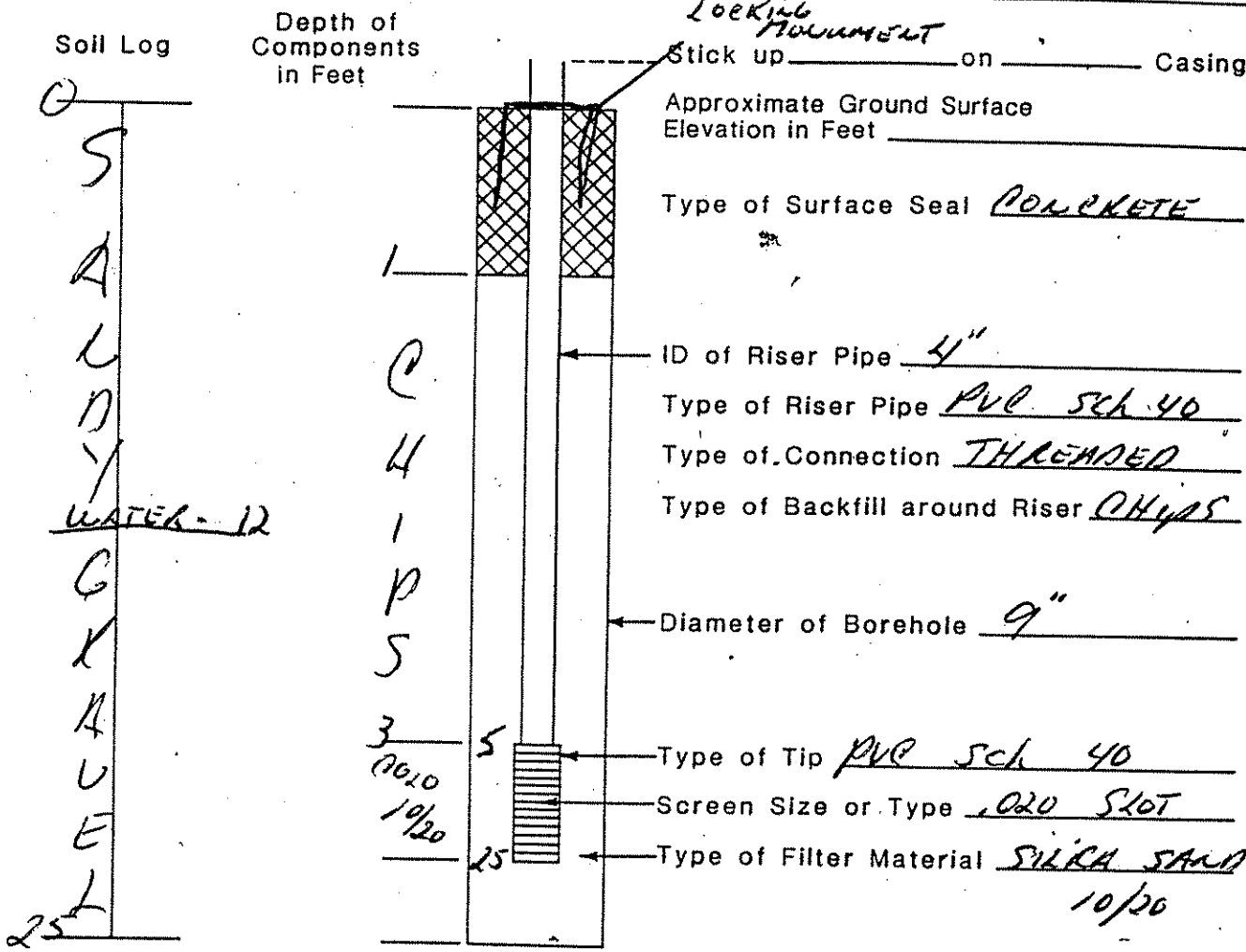
PAGE _____ OF _____

Monitoring Well Installation Report - Boring MW-001

Project _____ Job No. W3026 Date 8/12/91

Location _____ HC Observer _____ Driller KETVINTIS

Type of Well (Observation, Sampling, etc.) MONITORING



0
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WATER - 12
G
K
A
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E
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25

1
0
4
1
P
5
3
5
25

Stick up LOCKING MONUMENT on _____ Casing

Approximate Ground Surface Elevation in Feet _____

Type of Surface Seal CONCRETE

ID of Riser Pipe 4"

Type of Riser Pipe PVC SCH 40

Type of Connection THREADED

Type of Backfill around Riser CHIPS

Diameter of Borehole 9"

Type of Tip PVC SCH 40

Screen Size or Type 0.020 SLOT

Type of Filter Material SILICA SAND

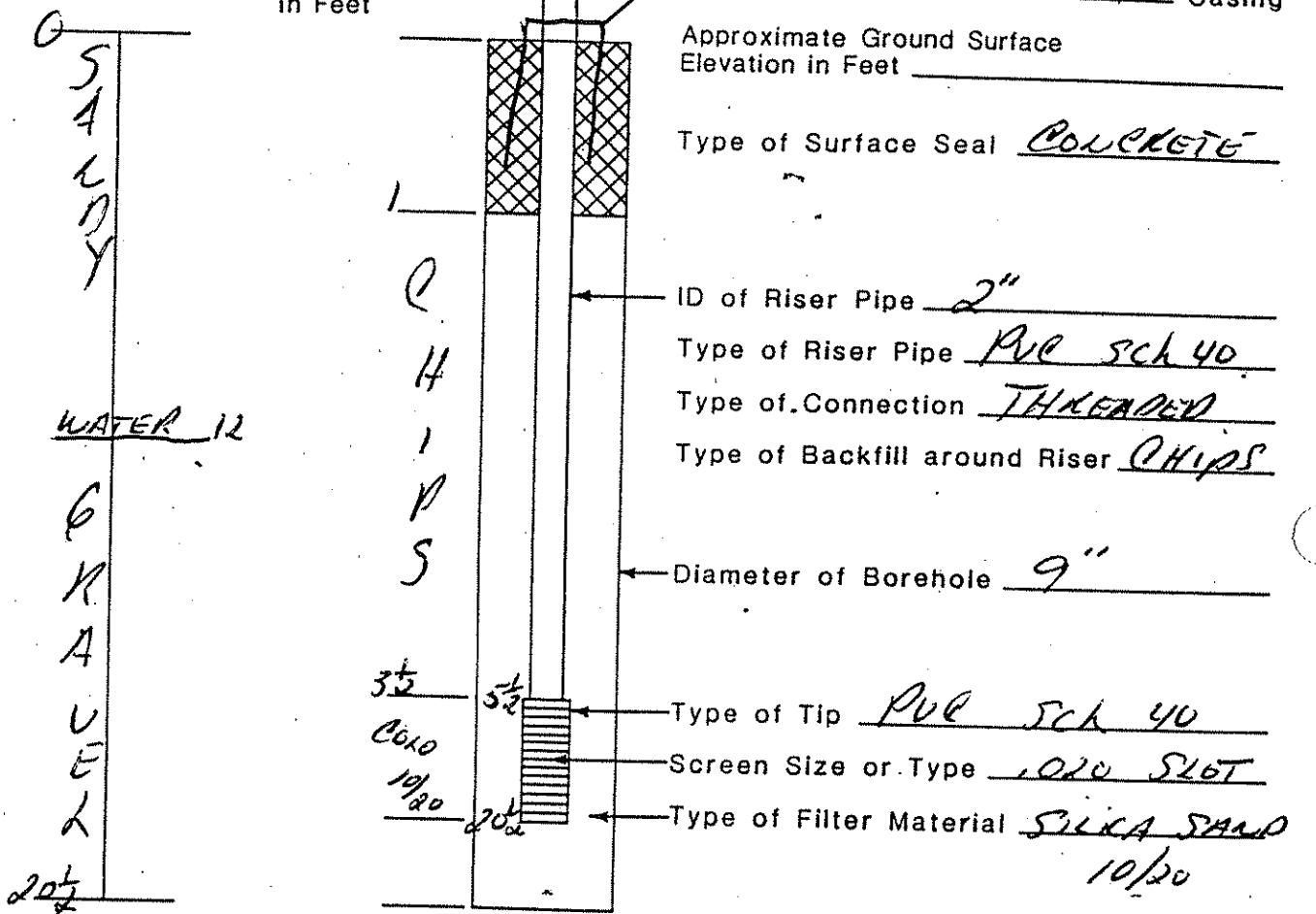
Monitoring Well Installation Report - Boring MW-003

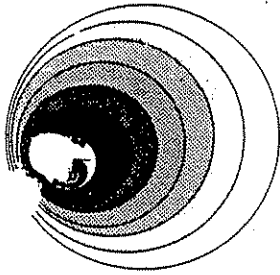
Project _____ Job No. W 3026 Date 8/13/91

Location _____ HC Observer _____ Driller KETVINE

Type of Well (Observation, Sampling, etc.) MONITORING

Soil Log _____ Depth of Components in Feet _____





SOIL SAMPLING SERVICE, INC.

1415 MERIDIAN EAST, PUYALLUP, WA 98371-1399

FEDERAL ID #: 91-0762274 WA CONT. #SOIL SS*344LO

Geotechnical, Engineering & Mineral Exploration Drilling • Instrumentation • Horizontal Drains
Ground Water Monitoring • Hazardous Waste Identification • Well Abandonments

(206) 927-3173

TELEX: 466762

FAX: (206) 927-3478

WA

RESOURCE PROTECTION WELL REPORT

PROJECT NAME: JACK POT GAS STATION

JOB #: W3026 START CARD NO.: 062427

WELL IDENTIFICATION NO.: MW-001, 002, 003, 004

COUNTY: YAKIMA CITY: YAKIMA

DRILLING METHOD: AIR ROTARY

LOCATION: _____ 1/4 NW 1/4 SW 1/4

DRILLER: P. KETVITIS Well

SEC.: 5 TOWN: WN RANGE: 196

SIGNATURE: P. Ketvitis

DATUM: _____

CONSULTING FIRM: STANNOX & WILSON

WATER LEVEL ELEVATION: _____

REPRESENTATIVE: _____

INSTALLED: 8/12/91 8/13/91

DEVELOPED: _____

WELL DATA	AS BUILT	FORMATION DESCRIPTION
	<p>SEE SHEETS ATTACHED</p>	

SCALE: 1" = _____

PAGE _____ OF _____

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG

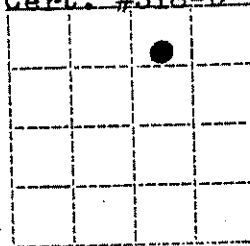
No. Decla. #526

Date 1936, 19__

Cert. #518-D

Record by Don E. Gray

Source G. W. Decla. Claim



Location: State of WASHINGTON

County Yakima

~~xxx~~ Lot 12, Block 2 of

~~xxx~~ Union Gap, original

SW NW 1/4 sec. 5 T. 12 N., R. 19 E. W.

~~xxxxxx~~ townsite

Address _____

Method of Drilling drilled Date Jul. 22 19 47

Owner Town of Union Gap

Address Union Gap, Wash.

Land surface, datum _____ ft. above
_____ ft. below

CORRE- LATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
------------------	----------	---------------------	-----------------

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

	Loose gravel & topsoil	15	15
	Cemented gravel	85	100
	Boulders	5	105
	Streaks of cemented gravel, loose gravel & boulders	70	175
	River & cemented gravel	17	192
	Sand & gravel	23	215

Pump Test:
Dim: 215' x 12" x 10"
SNL: 10'
Dd: 56'
Yield: 450 g.p.m.
Casing: 12" dia. from 0' to 90'; 10" dia. from 87' to 215'.
Perforations: 10" casing perfor. for

Turn up (Over) Sheet _____ of _____ sheets

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG

No. Appli. 916

Date August 10, 1948

Cert. 295a

Record by _____

Source Driller's record

Location: State of WASHINGTON

County Yakima

Area _____

Map
Lot 12, Blk. 2 of Original Town

Site of Union Gap
Drilling Co. G. D. Hall & Associates

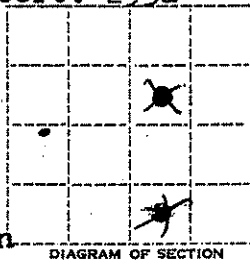
Address Yakima, Wn.

Method of Drilling _____ Date _____ 19____

Owner Town of Union Gap

Address Union Gap, Wn.

Land surface, datum _____ ft. above
below _____



CORRE- LATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
------------------	----------	---------------------	-----------------

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

	Top soil	4	4
	Cemented gravel	46	50
	Boulders & gravel	13	63
	Clay	5	68
	Cement gravel caving	42	110
	Cement gravel & boulders	40	150
	Washed gravel cavings	9	159
	Cement gravel	31	190
	Cement gravel caving	14	204
	" "	13	217
	Pump test:		
	Dim: 215' x 12"		
	SWL: 10'		
	DD: 100'		
	Yield: 350 g.p.m. (over)		

Turn up _____

Sheet _____ of _____ sheets

**STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT**

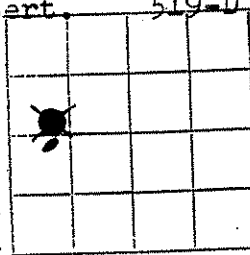
WELL LOG

No. Decla. 527
Cart. 519-D

Date June 30, 1936

Record by Don E. Gray

Source G. W. Decla. Claim



Location: State of WASHINGTON

County Yakima

~~xxx~~ Lot 12, Block 2 of

~~xxxx~~ original town site

SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 12 N., R. 19 E.

Diagram of Section

Drilling Co. _____

Address _____

Method of Drilling drilled Date July 22, 1947

Owner Town of Union Gap

Address Union Gap, Washington

Land surface, datum _____ ft. above
below

CORRE- LATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
------------------	----------	---------------------	-----------------

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

	Top soil	4	4
	Cemented gravel	46	50
	Boulders & gravel	13	63
	Clay	5	68
	Cemented gravel caving	42	110
	Cemented gravel & boulders	40	150
	Washed gravel caving	9	159
	Cemented gravel	31	190
	Cemented gravel caving	14	204
	Cemented gravel	13	217

Pump test:

Dim: 217' x 12" x 10"

SWL: 10'

Dd: 60'

Yield: 450 g.p.m.

Casing: 12" dia. from 0' to 83'

Turn up

Sheet _____ of _____ sheets

WELL LOG.—Continued

No. A₄ 11-12

CORRE- LATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Depth forward	———	
	Earth	6	6
	Gravel	15	21
	Rock & gravel	6	27
	Hardpan & gravel	10	37
	Hardpan & gravel	18	55
	Rock & gravel	9	64
	Hard gravel	3	67
	Rock & gravel	5	72
	Rock & gravel	4	76
	Hard gravel	6	82
	Rock & gravel	11	93
	Rock & gravel	3	96
	Rock & gravel	7	103
	Rock & gravel	24	127
	Rock & gravel	22	149
	Rock & gravel	8	157
	Rock & gravel	7	164
	Rock & gravel	23	187
	Hard rock & sand	20	207
	Gravel & sand	33	240
	Gravel & sand	80	320
	Gravel & sand	40½	360½
	Clay	9½	370

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG

No. Appli. #1112
Cert. #431A

Date Sept. 21, 1949

Record by Don E. Gray

Source Driller record

Location: State of WASHINGTON

County Yakima

Area _____

Map _____

SW 1/4 SW 1/4 sec. 5 T. 12 N., R. 19 E.

DIAGRAM OF SECTION

Drilling Co. G. D. Hall & Associates

Address Larson Bldg., Yakima, Wn.

Method of Drilling _____ Date 9-21- 1949

Owner Town of Union Gap

Address Yakima County, Washington

Land surface, datum _____ ft. above
_____ ft. below

CORRE- LATION.	MATERIAL	THICKNESS (feet)	DEPTH (feet)
-------------------	----------	---------------------	-----------------

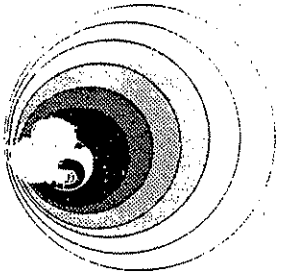
(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses, if material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

	See well data drawing showing well log in folder.		
	Pump test:		
	Dim: 370' x-12"		
	SWL: flowing		
	D.D. 30'		
	Yield: 500 g.p.m.		
	Casing: 16" dia. standard weight from 0 to 43'; 12" dia. standard weight from 0 to 370'.		
	Perforations: 14 1/2" x 1-1/2" from 129.67 to 137.67'. 14 1/2" x 1-1/2" from 181.75 to 360.50'		

Turn up (ARTESIAN)

Sheet _____ of _____ sheets

12/1/1951



SOIL SAMPLING SERVICE, INC.

415 MERIDIAN EAST, PUYALLUP, WA 98371-1399

FEDERAL ID #: 91-0762274 WA CONT. #SOIL SS*344LO

Geotechnical, Engineering & Mineral Exploration Drilling • Instrumentation • Horizontal Drains
Ground Water Monitoring • Hazardous Waste Identification • Well Abandonments

4754

(206) 927-3173

TELEX: 466762

FAX: (206) 927-3478

RESOURCE PROTECTION WELL REPORT

PROJECT NAME: North West Truck

JOB #: W-29415 START CARD NO.: 062464

WELL IDENTIFICATION NO.: MW-1

COUNTY: Yakima CITY: Union Gap

DRILLING METHOD: Air Rotary

LOCATION: NE 1/4 NE 1/4 1/4

DRILLER: Harold Niswander

SEC.: 6 TOWN: 12N RANGE: 19E

SIGNATURE: Harold Niswander

DATUM: _____

CONSULTING FIRM: SAIC

WATER LEVEL ELEVATION: _____

REPRESENTATIVE: Barbara Blackburn

INSTALLED: 4-15-91

DEVELOPED: _____

WELL DATA	AS BUILT	FORMATION DESCRIPTION
6" <u>Flash cement</u> 6" <u>Concrete</u> 6" <u>Chips</u> <u>Colorado</u> <u>Sand</u>	5' 4" X 6" X 10" <u>Screen</u> 4" <u>Blank</u>	0' <u>Sands</u> <u>+ Gravels</u>
		15'

SCALE: 1" = _____

PAGE _____ OF _____

WATER WELL REPORT
STATE OF WASHINGTON

Application No. C-9
Permit No.

(1) OWNER: Name _____ Address _____

LOCATION OF WELL: County YAKIMA - SW 1/4 NW 1/4 Sec 1 T12N R18W
Bearing and distance from section or subdivision corner 700' West and 300' North From the center of Sec 1

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

(4) TYPE OF WORK: when number of well is more than one
New well Method: Dig Bored
Deepened Casing Driven
Reconditioned Rotary Potted

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 202 : Depth of completed well 202

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 197 ft.
Threaded : Diam. from : ft. to : ft.
Welded : Diam. from : ft. to : ft.

Perforations: Yes No
Type of perforator used _____
SIZE of perforations _____
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: No Seal depth 18 ft.
Material used in seal BENTONITE
Did any strata contain unwaterable water? Yes No
Type of water _____ Depth of strata _____
Method of sealing strata _____

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

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 0 ft. below top of well Date 1-11-78
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
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
_____ _____ _____ _____ _____ _____
Time of test _____
Test 60 min with ALL 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 or 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, Brown	0	1
Clay, BRN	1	9
Clay, BRN w/ FINE GRAVEL	9	15
Clay, BRN	15	19
GRAVEL, BLK, MED w/ SAND W.B.	19	88
GRAVEL, BLK, FINE w/ BRN CLAY	88	99
GRAVEL, BLK, FINE w/ BRN SAND W.B.	99	138
GRAVEL, BLK, MED w/ SANDS CLAY ^{SOME} WATER	138	142
GRAVEL, FINE, BRN, BLK, w/ SAND W.B.	142	202

5" PERFORATED LINER INSTALLED FROM 197' TO 202'

Work started 9 JAN 1978. Completed 11 JAN 1978.

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
[Signed] C. Cain
(Well Driller)
License No. 0700 Date 11 JAN 1978

WATER WELL REPORT

Start Card No. 33865

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name Yakima County Public Works Dept. Address 128 N. 2nd St.; Yakima, WA

(2) LOCATION OF WELL: County Yakima NE & SW 1/4 Sec 1 T. 12 N. R. 18 E. W.M.

(2a) STREET ADDRESS OF WELL (or nearest address): 1000 Alhambra Road

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

(4) TYPE OF WORK: Owner's number of well (if more than one) OH-1
Abandoned New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 4 inches.
Drilled 9.1 feet. Depth of completed well 9.1 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 4 Diam. from 0.4 ft. to 9.1 ft.
Welded Diam. from _____ ft. to _____ ft.
Liner installed Diam. from _____ ft. to _____ ft.
Threaded 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 Aardvark
Type S.H. 40 PVC Model No. _____
Diam. 4" Slot size 0.125 from 4.1 ft. to 4.1 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 6-12 G. Fine Sand
Gravel placed from 2.0 ft. to 9.1 ft.

Surface seal: Yes No To what depth? 2.0' ft.
Material used in seal Concrete w/ well cover to 1.5' B. in. - 1.5' to 2.0'
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 _____ ft.
Static level 6.5 ft. below top of well Date 9-26-90
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 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 _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
FILL, well ground GRAVEL with Sand; dense, moist, brown	0.0	2.5
Sandy SILT, soft & firm, moist to wet, with scattered organics and sand lenses, brown-black	2.5	4.3
Light SAND; loose moist with scattered organics brown	4.3	4.8
Poorly graded GRAVEL with Sand; moist, wet to saturated, angular basalt gravel, brown-black	4.8	9.1

Work started 9-26-90 Completed 9-26-1990

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Brian J. Williams (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 1104 Grizzle #3, Richland WA 99352
(Signed) [Signature] License No. 1847
Contractor's Registration No. _____ License No. 1847
Date 26 Oct. 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

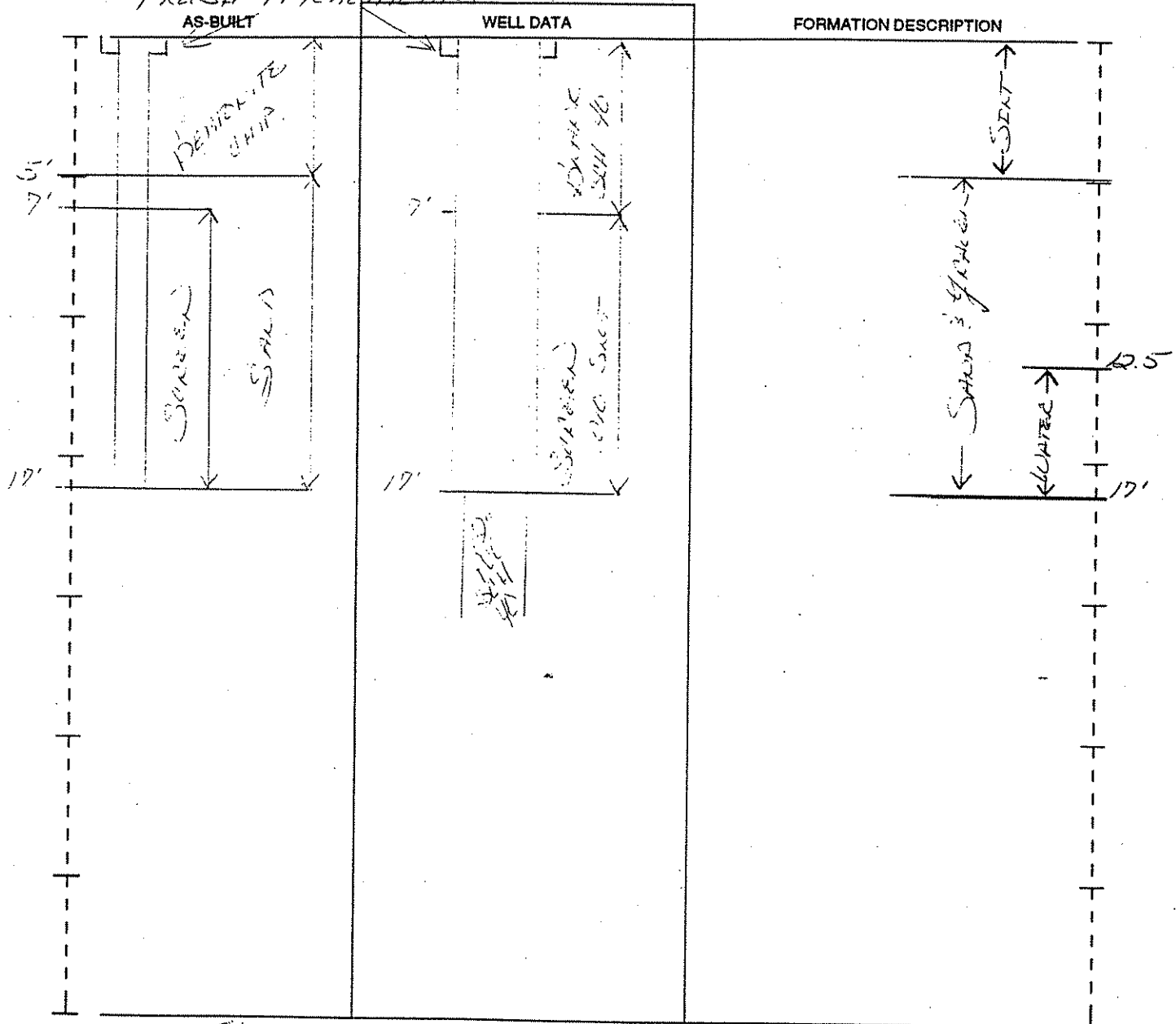
RESOURCE PROTECTION WELL REPORT

START CARD NO. 265885 L

PROJECT NAME: CHAMBER DISTRIBUTING
 WELL IDENTIFICATION NO. 1116-1 1116-2 1116-3
 DRILLING METHOD: HOLLOW STEM DRILLING
 DRILLER: BOUCE & McCall
 FIRM: ENVIRONMENTAL DRILLING INC.
 SIGNATURE: BOUCE & McCall
 CONSULTING FIRM: P.C.E.
 REPRESENTATIVE: TOM T-2323

COUNTY: YAKIMA CO.
 LOCATION: N 1/4 S 1/4 Sec 1 Twn 12N R 18E
 STREET ADDRESS OF WELL: 325 W 125 AVE.
 WATER LEVEL ELEVATION: -12.5'
 GROUND SURFACE ELEVATION: _____
 INSTALLED: 2-12-93
 DEVELOPED: _____

FLUSH 11 GALLONS

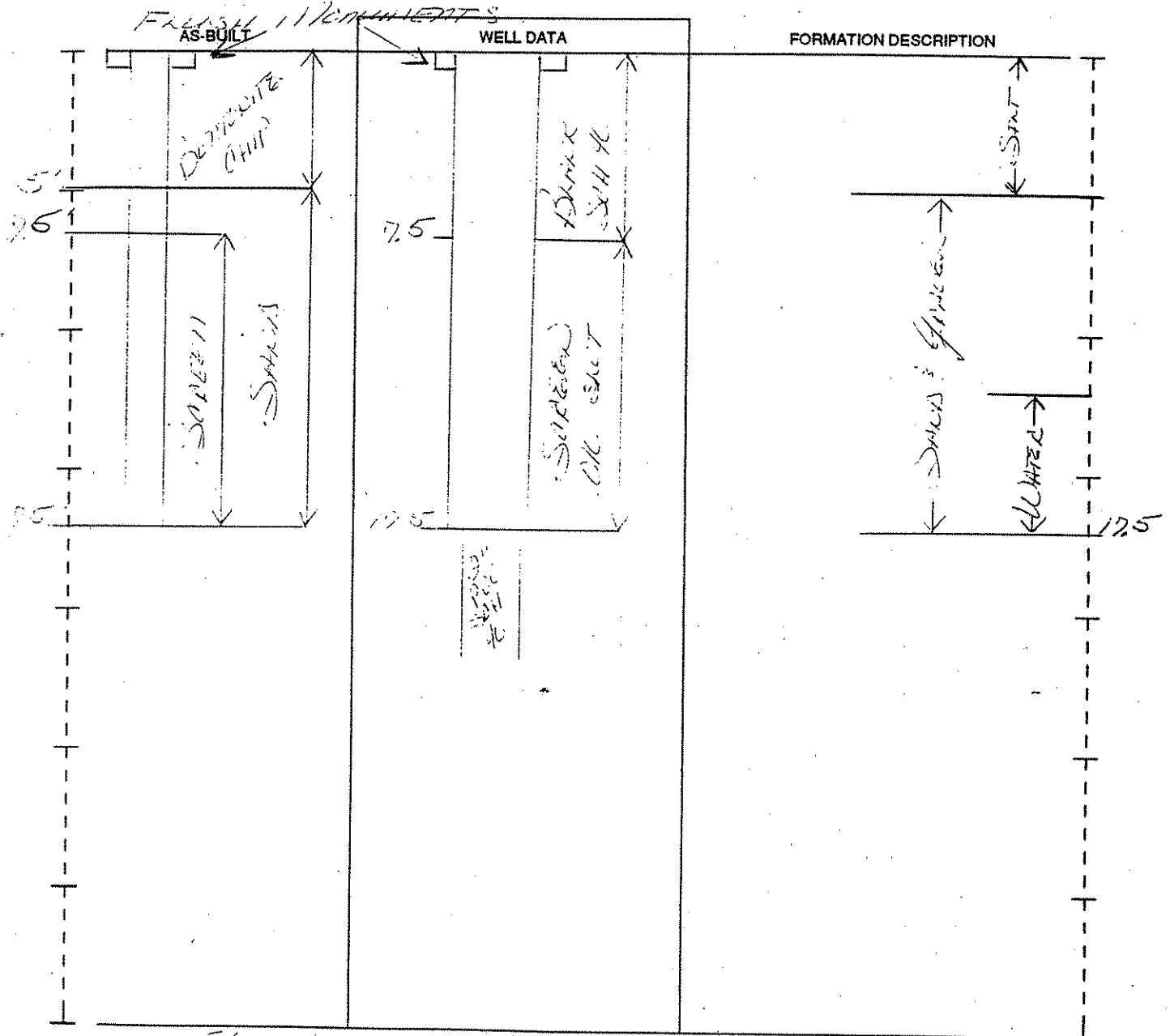


RESOURCE PROTECTION WELL REPORT

START CARD NO. 205886

PROJECT NAME: CHANDLER DESTABILIZING
 WELL IDENTIFICATION NO. MR-11111-2-1111-3-1111-4
 DRILLING METHOD: HOLLOW STEM AUGER
 DRILLER: DOUGLAS J. MCGRAW
 FIRM: ENVIRONMENTAL DRILLING ETC
 SIGNATURE: James D. McGraw
 CONSULTING FIRM: DOE
 REPRESENTATIVE: Tom Terry

COUNTY: UPPER MERION
 LOCATION: 1/4 Sec 1 Twn 12 N R 18 E
 STREET ADDRESS OF WELL: 801 WEST 1ST AVE
 WATER LEVEL ELEVATION: -13'
 GROUND SURFACE ELEVATION: _____
 INSTALLED: 2-13-73
 DEVELOPED: _____



WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name Yakima County Public Works Dept. Address 128N. 2nd St.; Yakima, WA

(2) LOCATION OF WELL: County Yakima NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 1 T. 12 N., R. 18E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address): 1000 Ahtanum Road

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

(4) TYPE OF WORK: Owner's number of well (if more than one) DH-2
Abandoned New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 4 inches.
Drilled 9.5 feet. Depth of completed well 9.5 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 4 Diam. from 0.4 ft. to 9.5 ft.
Welded
Liner installed
Threaded

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 Aardvark
Type sch. 40 PVC Model No. _____
Diam. 4" Slot size .010 from 4.5 ft. to 9.5 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 8-12 Silica Sand
Gravel placed from 1.9 ft. to 9.5 ft.

Surface seal: Yes No To what depth? 1.9 ft.
Material used in seal concrete w/ Well cover to 1.0'; Bentonite below
Did any strata contain unusable water? Yes No 1.0' to 1.9'
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 _____ ft.
Static level 6.5 ft. below top of well Date 9-26-90
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 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 _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
<u>ALL; Well Graded GRAVEL with Sand; medium dense to dense, moist, light brown</u>	<u>0.0</u>	<u>2.0</u>
<u>Sandy SILT; soft to stiff, moist to wet, with scattered organics and sand lenses, brown-black</u>	<u>2.0</u>	<u>4.5</u>
<u>silty SAND; loose, wet, with scattered organics, brown</u>	<u>4.5</u>	<u>5.3</u>
<u>Poorly Graded GRAVEL with Sand; dense, wet to saturated, angular basalt gravel, black</u>	<u>5.3</u>	<u>9.5</u>

Work started 9-26-1990 Completed 9-26-1990, 19__

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Brian J. Williams
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 1104 Gribble #3, Richland, WA 99352

(Signed) [Signature] License No. 1847
(WELL DRILLER)

Contractor's Registration No. _____ Date 26 Oct., 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

WATER WELL REPORT

Start Card No. 33865

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name Yakima County Mobile Works Dept Address 128 N. 3rd Street, Yakima, WA

(2) LOCATION OF WELL: County Yakima NE 3/4 Sec 1 T. 12 N. R. 18 E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 1000 Autumn Road

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

(4) TYPE OF WORK: Owner's number of well (if more than one) DH-3
Abandoned New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 4 inches.
Drilled 8.7 feet. Depth of completed well 8.7 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 4 Diam. from 0.4 ft. to 3.7 ft.
Welded Liner installed Threaded
Perforations: Yes No
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.

Screens: Yes No
Manufacturer's Name Harsco
Type Sch. 40 PVC Model No. _____
Diam. 4" Slot size .010 from 3.7 ft. to 8.7 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 3/8" fine sand
Gravel placed from 1.5 ft. to 8.7 ft.

Surface seal: Yes No To what depth? 1.5 ft.
Material used in seal sealant with well cover to 10' depth, then soil
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 6.5 ft. below top of well Date 4-26-90
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 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 _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
<u>Fill, well-graded GRAVEL with cobbles, dense, moist, in 5" minus subsoil, reddish, brown</u>	<u>0.0</u>	<u>1.5</u>
<u>Sandy silt; soft to firm, moist to wet, organic in parts, with sand lenses, brown</u>	<u>1.5</u>	<u>3.3</u>
<u>3.14 SAND; medium dense, moist, brown</u>	<u>3.3</u>	<u>6.0</u>
<u>Well-graded GRAVEL with sand, dense, saturated, brown-black</u>	<u>6.0</u>	<u>8.7</u>

Work started 7-26, 1990 Completed 9-26, 1990

WELL CONSTRUCTOR CERTIFICATION:

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

NAME Brian J Williams (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 1104 Grubbs #3, Richland, WA 99352
(Signed) [Signature] License No. 1047
Contractor's Registration No. _____ (WELL DRILLER)
Date 26 Oct., 1990

(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

Start Card No. 73865

STATE OF WASHINGTON

Water Right Permit No. _____

OWNER: Name Yukon Commercial Services Dept address 135A 2nd Street, Yukon, WA

(2) LOCATION OF WELL: County Yukon NE 1/4 Sec 1 T.12 N., R.16E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address): 1000 Alton Road

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

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

(5) DIMENSIONS: Diameter of well 4 inches.
Drilled 4.8 feet. Depth of completed well 7.8 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 4 Diam. from 0.6 ft. to 0.6 ft.
Welded Liner installed Threaded
Perforations: Yes No
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
Screens: Yes No
Manufacturer's Name Acme Silver
Type S-100 1/2" 12.5 Model No. _____
Diam. 4" Slot size 0.10 from 1.9 ft. to 7.0 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel 8-12 Silica Sand
Gravel placed from 2.0 ft. to 4.8 ft.
Surface seal: Yes No To what depth? 2.0 ft.
Material used in seal 30 mesh of latex cover to 10 Beak Shoes 100?
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 1.7 ft. below top of well Date 7-26 1990
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.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

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

MATERIAL	FROM	TO
<u>Topsoil and Organic Matter</u>	<u>0.0</u>	<u>0.5</u>
<u>Sandy silt; soft to firm; moist to wet, with organics; brown-black</u>	<u>0.5</u>	<u>7.0</u>
<u>Silty silt; loose, wet; brown</u>	<u>7.0</u>	<u>8.0</u>
<u>Reddish-brown and GRAY EL with silt; loose, saturated; brown-black</u>	<u>8.0</u>	<u>9.8</u>

Work started 7-26 1990 Completed 9-26 1990

WELL CONSTRUCTOR CERTIFICATION:

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

NAME W.L. Adams
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 1002 Cordoba #3 Seattle, WA 98105

(Signed) _____ License No. 1847
(WELL DRILLER)

Contractor's Registration No. _____ Date 26 Oct 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

