MASTER PLAN OPPORTUNITIES

Opportunities and Special Places

Bob and Crystal Rilee Park is a legacy landscape with significant historic and ecological resources. Overall the area supports a high quality landscape experience that includes Oregon White Oak clusters at the edges of the farm fields which provides an unspoiled landscape quality that is representative of a picturesque pastoral setting. This setting highlights the topographical folds of the land exemplifying the drainage patterns and views. The views highlight strong contrasting colors of the dark green agricultural cover crops emphasizing the architecture of the Oak stands and the linear edges of the neighboring conifer forests.

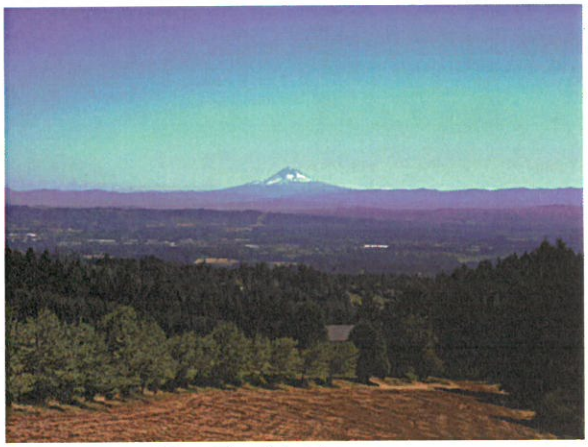
Legacy Oregon White Oaks populate the site in clusters. These Oak trees are very old in age and are distinct in their vertical form. They are significant as they provide a transition between between the fields. They also provide a glimpse of the historic oaks that once filled the Willamette Valley.

The geographic location on the top of Parrett Mountain is distinct as the topography falls away from the high point on three sides. The high point of the site is located at the north edge of Burt's 80 Field. From this location, views are available to the Coast Range to the west, the Willamette valley to the south and to Mount Hood to the East.

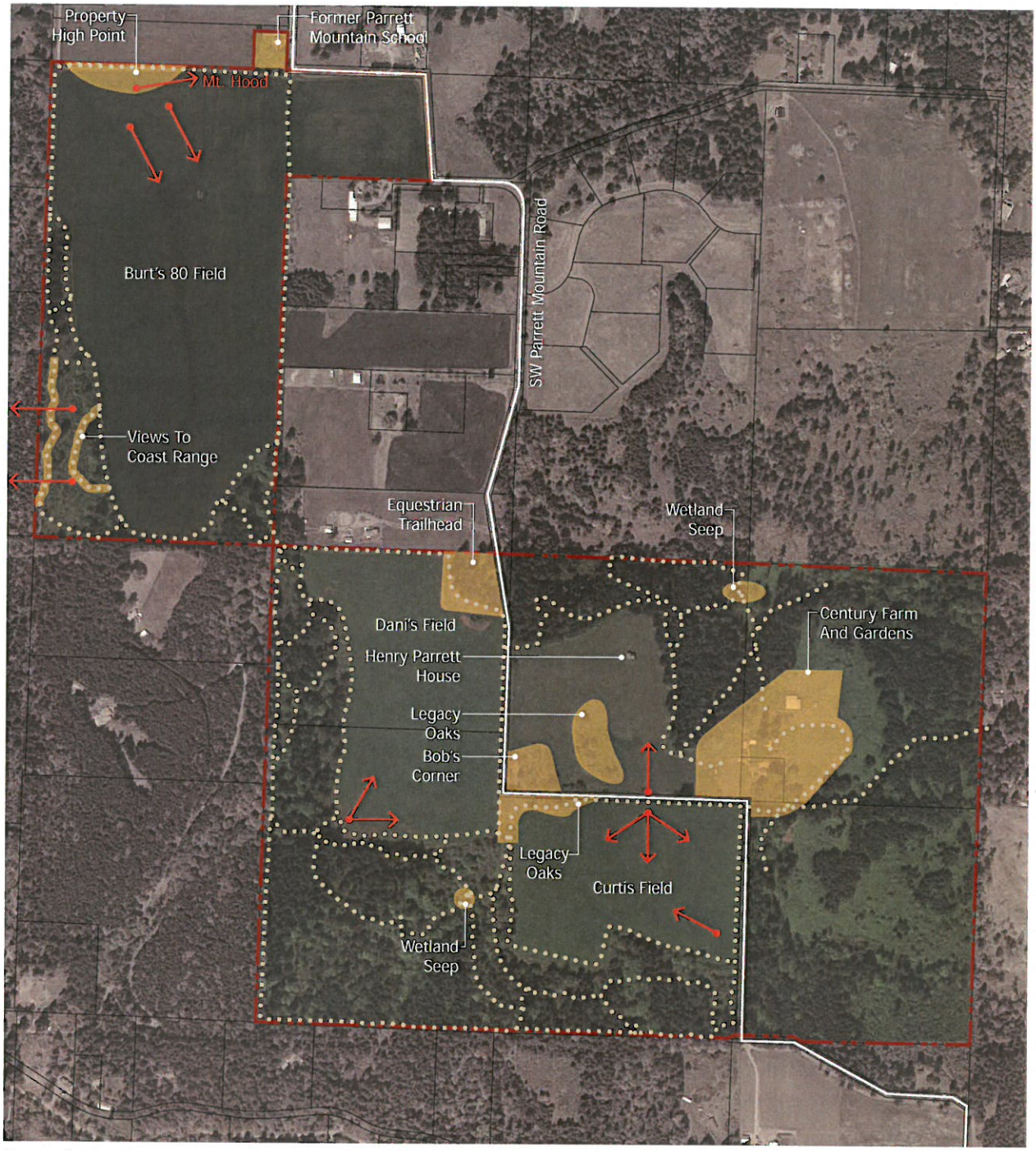
Other ecological attributes of significances are the hidden perennial stream and wetlands located to the north of the farm house at the bottom of the forested gully. Three ephemeral streams feed the wetland from above. The wetland is currently hidden behind a blackberry bramble at its edges adjacent to the trail. As the wetland sits in a depression at the toe of the slope adjacent to the trail and the stream it provides a serine enclosed setting of which should be highlighted.

Bobs corner is located across the road from the junction of Curtis Field and Dani's field. The picnic area is situated within an Oak Grove. The site is also a memorial to Bob Rilee and his life on the land.

Bob's Corner



View Of Mt. Hood From The High Point



Legend

- Existing Trails
- Views
- Special Place

OPPORTUNITIES AND SPECIAL PLACES

N

0 550 1,100 2,200 Feet

Figure 6

Existing Trails

Bob and Crystal Rilee Park is a working farm and equestrian trail destination. The trails wind their way through the surrounding forest, hug the perimeter of the agricultural fields and penetrate through the legacy Oak groves.

Trails are accessed from three informal trailheads at the Old School House, Upper Dani's Field and the Homestead. The trailheads are marked by small Century Farm signs hanging on gates along with trail rules communicating regulations to the users. The trail system is completely enclosed within an agricultural fence and users access the trail through a series of gates at these trailheads.

The southern and western trails are linked as a contiguous system, blending from one trail to the next. The primary trails provide the main circulation routes and the secondary trails provide connections between upper and lower segments.

Trails are identified through a series of named engraved wooden signs attached to round wooden posts. The signs are in a variety of conditions. In some instances the engraving is wearing off making the signs not illegible, while others are completely missing.

Forest trails wind their way through the south and western sections varying from 2 to 6 feet in width and range from flat to very steep alignments. Trails are natural surfaces and have been compacted through historic use.

These trails were cleared and grubbed and surfaces were not graded. Trail impacts are mostly evident on steep slopes and in wet seep conditions. Steep conditions are showing signs of erosion and rutting due to water flow down the center and edges of the trail.

Flat wet sections of the trails are uneven due to equestrian use during wet times of the year. Throughout the site the trails cross over a number of creeks. Some creeks are protected by culverts and one small bridge while others are open water crossings. At open water locations there are significant impacts to the creek bed and erosion is occurring along the edges.

The agriculture field loop trails are located within a 10 foot buffer between the edges of the agricultural crop and the forest. The trail surface has not been formally prepared and compacted to support the usage. The natural surface is soft and uneven and seems to be graded as part of the agricultural rotation and not specfically for trails.

These trails offer beautiful views across the fields highlighting the topographical folds of the landscape back dropped by legacy Oregon White Oak stand in the background.

Legend

- Existing Trails
- Entry Gate

TRAIL AND ACCESS MAP

N

0 550 1,100 2,200 Feet

Figure 7

A series of unnamed trails were identified in the north portion of the property. These trails wind their way through intact second growth forest along old skid roads to an old pump house and back up to the upper field towards Bob's Corner.

Trail surfaces are significantly intact due to the historic logging uses on the skid roads. These trails bases are firm and show no sign of erosion. Significant interest along these sections of trails are a perennial creek, wetland seep, legacy fir trees, dense native understory vegetation and topographic relief.

In support of the main trail alignment there are user created walking trails that scurry up the steep slopes linking upper and lower portions of the main trail. These trails are 18 -24 inches wide and are compacted native surfaces.

Trail alignments and circulations routes lead users to places of special interest and provide opportunities to experience both a natural and working agricultural landscape setting. The trails provide opportunities to highlight views across the landscape into the Willamette valley, out to the Coast Range Mountains and into east to Mount Hood.

As the trail system is a destination for the equestrian users there has been interest in expanding opportunities to hikers and mountain biking. The neighboring community walks the existing trail; however, the trails are in poor condition for hiking. It is evident that there are opportunities to develop secondary trails or improve surfaces to support shared recreation modalities.

Forest Lower Loop Trail

Trail Signage

Trail

Trail

Curtis Lower Loop Trail

Century Farm And Gardens

Infrastructure:

The property is located on SW Parrett Mountain Road, a two lane road. Domestic water is available from two ground water wells on site. Sewage disposal is by septic tank and drain fields. The site is served by overhead electric lines and fire protection is from the Newberg Rural Fire Protection District.

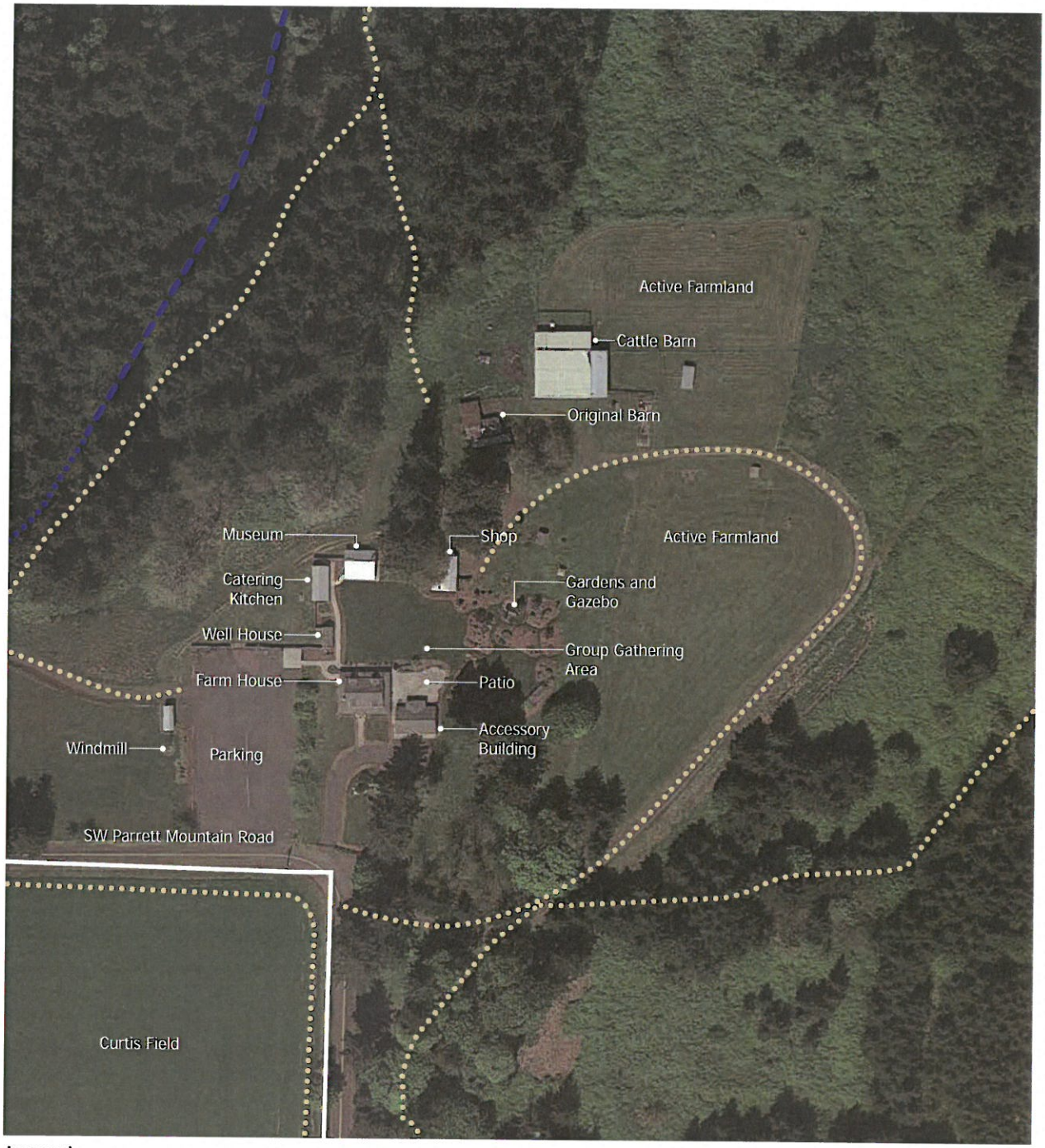
Farm House

Hand Pump Well At Windmill

Gazebo And Garden

Wagon - Came With The Farm

Well House, Commercial Kitchen, and Museum



Legend

- Existing Trails
- Ephemeral Creek
- Intermittent Creek

CENTURY FARM AND GARDENS

N

0 115 230 460 Feet

Figure 8

Next Steps

This Environmental Site Analysis Report is the first step in developing a master plan for the property. Subsequent steps to determine the future use of the park will be on going and may include:

- Public Meetings to share Park District's goals and seek input from neighbors and the community.
- Develop an Environmental Management Plan
    - Control of invasive species, especially blackberry
    - Protection of the water resources on site
    - Identify priority areas for restoration
- Form a consortium with other park districts to share programs for living history farms and historic preservation.
- Master Plan – Develop a master plan with phased implementation, including:
    - Create a Development and Operational Plan
    - Trail use programming. Planning to accommodate all users including equestrian, hiking and biking.
    - Identify main trails for improvement and highest priority maintenance.
    - Programming of homestead facility use and future improvements.
- Develop trail connections to regional trail networks.

APPENDIX

Oregon Water Resources Department
Well Log Query Report

Main Help
Return Contact Us

Well Log Query Results

GPS points, where available are at the far right of the table. Click link to view on map

Township: 3 S, Range: 2 W, Sections: 24

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer	Latitude/ Longitude
YAMH 311	3.00S-2.00W-24 -			CARTER, ART 1907 N COLLEGE PO BOX 386 NEWBERG OR 97132			W	80.00	135.00	45.0	100.0	11/23/1971	11/29/1971	HUFFMAN, HARLEN M ARROW DRILLING INC.			√					√										
YAMH 1661	3.00S-2.00W-24 SW-SW	3224	33905 NE CORRAL CRK, NEWBERG	GLOBIG, JON PO BOX 1017 NEWBERG OR 97132			W	535.00	560.00	464.0	17.0	02/22/1992	02/25/1992	SHELBURNE, ROBERT BLUE WATER DRILLING CO.	37011		√					√										
YAMH 2541	3.00S-2.00W-24 SW-NE		7185 SW TAYLORS FERRY RD	BEMEL, STAN PO BOX 23051 PORTLAND OR 97223			W	285.00	332.00	225.0	18.0	10/06/1987	10/15/1987	JANNSEN, ROY N			√					√										
YAMH 2542	3.00S-2.00W-24 -			DALY, DENNIS 17 TANGLEWOOD DR LAKE OSWEGO OR 97035			W	140.00	178.00	115.0	10.0	03/24/1975	04/09/1975	CHRISTENSON JR, WILLIAM D			√					√										
YAMH 2543	3.00S-2.00W-24 -			WOODWARD, JACK 28070 SW BOBERG RD WILSONVILLE OR 97070			W	265.00	625.00	475.0	10.0	10/09/1974	11/18/1974	CHRISTENSON JR, WILLIAM D					√			√										
YAMH 2544	3.00S-2.00W-24 -			WOODWARD, JACK 28070 SW BOBERG RD WILSONVILLE OR 97070			W	265.00	380.00	265.0	4.0	06/16/1974	11/18/1974	CHRISTENSON JR, WILLIAM D			√					√										
YAMH 2545	3.00S-2.00W-24 -			HUTCHENSON, MR RALPH DUNDEE OR 97115			W	32.00	95.00	14.0	22.0	05/22/1971	06/14/1971	MEEKER, JOHN H JOHN MEEKER WELL DRILLING			√					√										
YAMH 2546	3.00S-2.00W-24 NE-NE			SMITH, FOREST RT 2 BOX 245 NEWBERG OR 97132			W		360.00	0.0	0.0	07/02/1967	07/27/1967	BORCHERS, RAYMOND A B & S DRILLING			√	√				√										
YAMH 2547	3.00S-2.00W-24 -			SLOAN, DAVE 4208 SW CULLEN PORTLAND OR 97221			W	590.00	625.00	410.0	13.0	07/06/1976	07/16/1976	HUFFMAN, HARLIN M			√					√										
YAMH 2548	3.00S-2.00W-24 -			DUGAN, JACK 3815 SE ANKENY PORTLAND OR 97214			W		625.00	447.0	12.0	03/08/1968	03/11/1969	HUFFMAN, HARLIN M ARROW DRILLING INC.			√					√										

1 2

Download Data

Well Log Query Results *GPS points, where available are at the far right of the table. Click link to view on map*

Township: 3 S, Range: 2 W, Sections: 24

Well Log	T-R-S/ QQ-Q	Tax lot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer	Latitude/ Longitude
YAMH 2549	3.00S-2.00W-24 -			RILEE, ROBERT RT 2 BOX 245 NEWBERG OR 97132			W		500.00	425.0	4.0	11/05/1962	02/14/1963	MEEKER, JOHN H MEEKER WELL DRILLING			√					√										
YAMH 2550	3.00S-2.00W-24 NW-NW			FULMER, L R RT 7 BOX 7589 BAINBRIDGE ISLAND WA			W		620.00	260.0	25.0	09/15/1969	09/26/1969	BORCHERS, RAYMOND A B & S DRILLING CO.			√					√										
YAMH 54633	3.00S-2.00W-24 NW-NE	200	INTERSECTION OF SMITH AND PARRETT MOUNTAIN RD	GREGG, GLENN 10415 SW TERWILLIGER PLACE PORTLAND OR 97219			W	106.00	622.00	470.0	31.0	10/27/2006	10/31/2006	STADELI, JOHN R ARROW DRILLING	189603	85547	√					√										
YAMH 54965	3.00S-2.00W-24 NW-NE	200	SMITH RD AND PARRETT MOUNTAIN RD	GREGG, GLENN 10415 SW TERWILLIGER PLACE PORTLAND OR 97219			W		622.00	469.0		09/06/2007	09/26/2007	STADELI, JOHN R ARROW DRILLING	194103	89918				√		√										
YAMH 56638 Exempt Use Map	3.00S-2.00W-24 NE-NE	100	35568 NE SMITH RD, NEWBERG	NIEW, TAI-RAN 2011 KALORAMA RD NW #7 WASHINGTON DC 20009			W	69.00	581.00	419.0	18.0	09/19/2013	10/04/2013	PAYSINGER, DAVID BLUE WATER DRILLING CO INC	1021022	112363	√					√										

1 2

Download Data

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
NOV 29 1971
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 3/2W-24
State Permit No.

(1) OWNER:
Name Art Carter
Address 1907 N College P.O. Box 386 Newberg Ore

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [X] Driven [ ]
Cable [ ] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) CASING INSTALLED:
Threaded [ ] Welded [X]
6" Diam. from +1 ft. to 61'6" ft. Gage 1/4
5" Diam. from 55 ft. to 135 ft. Gage 3/16
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? [X] Yes [ ] No
Type of perforator used torch
Size of perforations 3/16 in. by 6 in.
12 perforations from 95 ft. to 135 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? [ ] Yes [X] No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
air lift 100 GPM from 135 " "
" after 1 hr " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 56 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 61 ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Diameter of well bore below seal in.
Number of sacks of cement used in well seal 13 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Hamhill Driller's well number
¼ ¼ Section T. R. W.M.
Bearing and distance from section or subdivision corner
Sec. 24 T3S R2W

(11) WATER LEVEL: Completed well.
Depth at which water was first found 80 5-gal per ft.
Static level 45 ft. below land surface. Date 11/23/71
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 8
Depth drilled 135 ft. Depth of completed well 135 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Brown Clay	0	60	
Soft rock	60	89	
med Basalt gravel	89	125	
hard "	125	135	

Work started 11/22 1971 Completed 11/23 1971
Date well drilling machine moved off of well 11 23 1971

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Harlan M Huffman (Drilling Machine Operator) Date 11/26, 1971
Drilling Machine Operator's License No. 82

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Arrow Drilling Inc (Person, firm or corporation) (Type or print)
Address 729 N Main Newberg Ore
[Signed] Harlan M Huffman (Water Well Contractor)
Contractor's License No. 117 Date 11/26, 1971

(USE ADDITIONAL SHEETS IF NECESSARY)
SP*45556-119

3 33

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

yamh 1661

PAGE 1

RECEIVED

FEB 25 1992

WATER RESOURCES DEPT.

3s/2w/24cc

37011 (START CARD) #

(1) OWNER:

Well Number: 1268

Name JON GLOBIG

Address P.O.BOX 1017

City NEWBERG State OR Zip 97132

(2) TYPE OF WORK:

X ☐ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

X ☐ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 560 ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	19	BENTONITE	0	19	7 SAX
6	19	560				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☐ Other POURED/TAMPED

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	19	.25	X	☐	X	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4	0	560	160#	☐	X	X	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

X ☐ Perforations Method SAW

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
520	560	6"	80			☐	X
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer X ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
17.00		560	1 hr.
17		560	4

Temperature of water 51 Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County YAMHILL Latitude Longitude

Township 3 S N or S, Range 2 W E or W, WM.

Section 24 SW ¼ SW ¼

Tax Lot 3224 Lot 1000 Block Subdivision 2

Street Address of Well (or nearest address) 33905

APPROX 33905E CORRAL CRK NEWBERG,

(10) STATIC WATER LEVEL:

464 ft. below land surface. Date 02/22/92

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 535

From	To	Estimated Flow Rate	SWL
–	–	–	–
535	540	12	464
551	554	5	464

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
TOP SOIL	0	3	
RED CLAY	3	9	
DECAYED BASALT	9	12	
GRAY BASALT	12	365	
SLIGHT DECAYED BASALT	365	380	
MEDIUM GRAY BASALT	380	415	
SOFT BROWN BASALT	415	455	
VERY HARD GRAY BASALT	455	535	
FRACTURED BASALT	535	540	464
VERY HARD BASALT	540	544	
FRACTURED/DECAYED BASALT	544	552	464
VERY HARD BASALT	552	560	
BLUE WATER DRILLING CO. DAYTON, OR. 97114			

Date started 02/17/92 Completed 02/22/92

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number 1438

Signed David D. Lepage Date 02/22/92

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 417

Signed Robert D. Delbartolo Date 2-22-92

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C 3/8

RECEIVED
OCT 15 1987
WATER RESOURCES DEPT.
SALEM, OREGON

Yamh 254

3S/2W-24ac

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

Well Number:

(1) OWNER:
Name Stan Bemel (P.O. Box 23051)
Address 7185 S. W. Taylors Ferry Rd.
City Portland State OR Zip 97223

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 332 ft.
Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	36	Cement/gel	0	36	11 sacks
6"	36	332				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	36	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4"	0	332	160	☐	☒	☒	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method Drilled
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
312	332		40	1/2"		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
3		290	1 hr.
9		310	
18		330	

Temperature of water Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Yamhill Latitude ' " Longitude ' "
Township 3 S N or S, Range 2 W E or W, WM.
Section 24 SW ¼ NE ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address)

(10) STATIC WATER LEVEL:
225 ft. below land surface. Date 10/6/87
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 285

From	To	Estimated Flow Rate	SWL
285	325	18 gpm	225

(12) WELL LOG: Ground elevation

Material	From	To	SWL
Topsoil	0	1	
Red-brown clay	1	6	
Decomposed brown basalt	6	9	
Firm gray-brown basalt	9	20	
Soft red-brown basalt	20	27	
Firm gray basalt	27	40	
Soft brown basalt	40	46	
Soft gray-brown basalt	46	64	
Hard gray basalt	64	82	
Soft brown & red-brown basalts	82	89	
Firm gray-brown basalt	89	148	
Soft brown basalt	148	157	
Firm gray-black basalt	157	179	
Hard gray basalt-creviced	179	219	
Soft red-brown basalt	219	235	
Soft brown basalt	235	244	
Firm gray-black basalt	244	280	
Visicular brown basalt	280	325	
Firm gray basalt	325	332	

Date started 10/2/87 Completed 10/6/87

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief. WWC Number 1266
Signed Date 10/13/87

WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW COPY - CONSTRUCTOR PINK COPY - CUSTOMER 9809C 10/86

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

Yamh 2542

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
APR 9 1975
STATE ENGINEER
SALEM, OREGON

State Well No. 3S/2W-24
State Permit No.

(1) OWNER:
Name: Dennis Daly
Address: 17 Tanglewood Dr. Lake Oswego, Oregon

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

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

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 90 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ 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.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Driller
Yield: 10 gal./min. with 63 ft. drawdown after 2 hrs.
" " " "
" " " "
Baller test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 90 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 12 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Yamhill Driller's well number
¼ ¼ Section 24 T. 3S R. 2W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 140 ft.
Static level 115 ft. below land surface. Date 3-24-75
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 178 ft. Depth of completed well 178 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Soil	0	1	
Brown clay & boulders	1	45	
Weathered rock	45	55	
Broken grey rock	55	85	
Grey rock	85	140	
Broken black rock	140	150	
Black rock	150	165	
Broken black rock	165	170	
Black rock	170	178	

Work started 3-20-75 19 Completed 3-24-75 19
Date well drilling machine moved off of well 3-24-75 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Gail Sellers (Drilling Machine Operator) Date 3-24, 19 75
Drilling Machine Operator's License No. 651

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name William D. Christenson Jr. (Person, firm or corporation) (Type or print)
Address P.O. Box 343 Hubbard, Oregon
[Signed] William D. Christenson (Water Well Contractor)
Contractor's License No. 511 Date 3-24, 19 75

(USE ADDITIONAL SHEETS IF NECESSARY)
SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

Yamh 2543

WATER WELL REPORT

STATE OF OREGON (Please type or print) (Do not write above this line)

RECEIVED NOV 18 1974 STATE ENGINEER SALEM, OREGON

State Well No. 35/2W-24

State Permit No.

(1) OWNER:

Name Jack Woodward

Address 28070 S W Boberg Rd.

Wilsonville, Oregon 97070

(2) TYPE OF WORK (check):

New Well ☐ Deepening ☒ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:

Threaded ☐ Welded ☒

6 " Diam. from no pipe installed ft. to ft. Gage

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? ☐ 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.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.

Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Driller

Yield: 10 gal./min. with 125 ft. drawdown after 4 hrs.

" " " "

" " " "

Baller test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ft.

(5) CONSTRUCTION:

Well seal—Material used sealed previously

Well sealed from land surface to - ft.

Diameter of well bore to bottom of seal - in.

Diameter of well bore below seal - in.

Number of sacks of cement used in well seal - sacks

Number of sacks of bentonite used in well seal sacks

Brand name of bentonite

Number of pounds of bentonite per 100 gallons of water lbs./100 gals.

Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☒ No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Yamhill Driller's well number

¼ ¼ Section 24 T. 3S R. 2W W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 265 ft.

Static level 475 ft. below land surface. Date 10-9-74

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6

Depth drilled 625 ft. Depth of completed well 625 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Black rock	380	450	
Black pinhole lava	450	458	
Brown rock	458	502	
Brown pinhole lava	502	516	
Black basalt	516	544	
Black rock soft	544	600	
Brown pinhole lava	600	622	
Grey basalt	622	625	

Work started 10-3 19 74 Completed 10-9 1974

Date well drilling machine moved off of well 10-9 1974

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] (Drilling Machine Operator) Date 10-9, 1974

Drilling Machine Operator's License No. 500

Water Well Contractor's Certification:

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

Name William D. Christenson Jr. (Person, firm or corporation) (Type or print)

Address P.O. Box 343 Hubbard, Oregon

[Signed] (Water Well Contractor)

Contractor's License No. 511 Date 10-10, 1974

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-11B

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

Yamh 2544

RECEIVED
NOV 18 1974
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 3S/2W-24
State Permit No.

(1) OWNER:
Name Jack Woodward
Address 28070 S W Boberg Rd.
Wilsonville, Oregon 97070

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

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

CASING INSTALLED:
Threaded ☐ Welded ☒
6 " Diam. from 0 ft. to 28 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ 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.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Driller
Yield: 4 gal./min. with 115 ft. drawdown after 2 hrs.
" " "
" " "
Baller test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 28 ft.
Diameter of well bore to bottom of seal 9 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 4 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Yamhill Driller's well number
¼ ¼ Section 24 T. 3S R. 2W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 265 6-16-74
Static level 265 ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 380 ft. Depth of completed well 380 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Brown top soil	0	2	
Brown clay & boulders	2	19	
Grey basalt	19	105	
Red cinders	105	112	
Black rock	112	214	
Grey basalt	214	265	
Brown broken rock	265	380	

This well was broken rock from 265 to 380. After the well was drilled to the 380 depth it was filled from 265 to 380 with 80 sacks of cement, and let set for 72 hours, then re-drilled.

Work started 6-4 1974 Completed 6-16 1974
Date well drilling machine moved off of well 6-16 1974

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date 6-16, 1974
Drilling Machine Operator's License No. 500

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name William D. Christenson Jr. (Person, firm or corporation) (Type or print)
Address P.O. Box 343 Hubbard, Oregon
[Signed] (Water Well Contractor)
Contractor's License No. 511 Date 6-16, 1974

(USE ADDITIONAL SHEETS IF NECESSARY)
SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
JUN 14 1971
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

Yamh 2545

State Well No. 3/2W-24

State Permit No.

(1) OWNER:
Name Mr. Ralph Hutchenson
Address Dundee Oregon

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [ ] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

CASING INSTALLED:
Threaded [X] Welded [ ]
5 7/8" Diam. from 0 ft. to 64 ft. Gage .250
..." Diam. from ... ft. to ... ft. Gage ...
..." Diam. from ... ft. to ... ft. Gage ...

PERFORATIONS:
Perforated? [X] Yes [ ] No
Type of perforator used Cutting torch
Size of perforations 1/4 in. by :14 in.
75 perforations from 30 ft. to 63 ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

(7) SCREENS:
Well screen installed? [ ] Yes [X] No
Manufacturer's Name ...
Type ... Model No. ...
Diam. ... Slot size ... Set from ... ft. to ... ft.
Diam. ... Slot size ... Set from ... ft. to ... ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [X] No If yes, by whom?
Yield: gal./min. with ... ft. drawdown after ... hrs.
" " " "
" " " "
Bailer test 20-22 gal./min. with 60 ft. drawdown after 1 hrs.
Artesian flow ... g.p.m.
Temperature of water ... Depth artesian flow encountered ... ft.

(9) CONSTRUCTION:
Well seal—Material used Cemment
Well sealed from land surface to 30 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 8 in.
Number of sacks of cement used in well seal 3 sacks
Number of sacks of bentonite used in well seal ... sacks
Brand name of bentonite ...
Number of pounds of bentonite per 100 gallons of water ... lbs./100 gals.
Was a drive shoe used? [X] Yes [ ] No Plugs ... Size: location ... ft.
Did any strata contain unusable water? [ ] Yes [ ] No
Type of water? ... depth of strata ...
Method of sealing strata off
Was well gravel packed? [X] Yes [ ] No Size of gravel: 1/4-3/4
Gravel placed from 30 ft. to 64 ft.

(10) LOCATION OF WELL:
County Yamhill Driller's well number
... ¼ ¼ Section 24 T. 3-S R. 2-W W.M.
Bearing and distance from section or subdivision corner C-B-A

(11) WATER LEVEL: Completed well.
Depth at which water was first found 32 ft.
Static level 14 ft. below land surface. Date 5/22/71
Artesian pressure ... lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 95 ft. Depth of completed well 95 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Clay Brown	0	24	
Blue clay	24	32	
Soft brown rock	32	38	
Med. hard brown rock	38	51	
Med soft Basalt	51	62	
Hard basalt	62	69	
Soft yellow Rock	69	77	
Hard basalt with small			
Sogt layers	77	94	
Broken layers Lava	94	95	14

Work started 5/18/71 19 Completed 5/22/71 19
Date well drilling machine moved off of well 5/22/71 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] John H Meeker (Drilling Machine Operator) Date 5/24, 19 71
Drilling Machine Operator's License No. 50

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name JOHN MEEKER WELL DRILLING (Person, firm or corporation) (Type or print)
Address 2908 "I" HOOVER BLVD. NEWBERG OREGON
[Signed] John H Meeker (Water Well Contractor)
Contractor's License No. 111 Date 5/24/71, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

NC

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED JUL 27 1967 STATE ENGINEER SALEM OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

(Yamh 2546)

State Well No. 3/2W-24

State Permit No.

(1) OWNER:
Name Forest Smith
Address RT 2, Box 245, Newberg, Ore.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☒
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

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

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 70 ft. Gage .250
..." Diam. from ... ft. to ... ft. Gage ...
..." Diam. from ... ft. to ... ft. Gage ...

PERFORATIONS:
Perforated? ☐ 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.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name ...
Type ... Model No. ...
Diam. ... Slot size ... Set from ... ft. to ... ft.
Diam. ... Slot size ... Set from ... ft. to ... ft.

(8) WATER LEVEL: Completed well. DRY
Static level ft. below land surface Date
Artesian pressure lbs. per square inch Date

(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.
" DRY " "
" " "
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) CONSTRUCTION:
Well seal—Material used Bentonite
Depth of seal 70 ft.
Diameter of well bore to bottom of seal 9 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth ...
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel: ...
Gravel placed from ... ft. to ... ft.

(11) LOCATION OF WELL:
County Yamhill Driller's well number 28
E ½ ¼ NE ¼ Section 24 T. 3S R. 2W W.M.
Bearing and distance from section or subdivision corner ON
Clackamas, Yamhill Line 26.95 acres

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 360 ft. Depth of completed well 360 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Red soil	0	2	
Red Clay, Boulders)	2	35	
Brown Lava	35	60	
Broken Basalt	60	85	
Black Lava	85	140	
Brown Lava	140	165	
Black Lava	165	255	
Brown Lava	270	284	
Black Lava	284	305	
Brown Lava	305	325	
Black Lava	325	345	
Brown Lava	345	360	
(Well is DRY			
Steel CAP Welded			
To TOP of Casing)			

Work started 6-30 19 Completed 7-2 1967
Date well drilling machine moved off of well 7-2 1967

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A. Bonchon (Drilling Machine Operator) Date 7-2, 1967
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME B & S Drilling (Person, firm or corporation) (Type or print)
Address RT 3 Box 271A Sherwood, ORE
[Signed] Raymond A. Bonchon (Water Well Contractor)
Contractor's License No. 404 Date 7-2, 1967

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

Yamh
2547

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
JUL 16 1976
WATER RESOURCES DEPT.

State Well No. #1
State Permit No. 35/2W-24

(1) OWNER:
Name Dave Sloan
Address 4208 S.W. Cullen, Portland, Ore. 97221

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

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

CASING INSTALLED:
Threaded ☐ Welded ☐
6" Diam. from 1 ft. to 33 ft. Gage 3/4
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ 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.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) 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.
Air lifted 13 GPM from 625 Ft. After 1 hr.
" " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 53 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 33 ft.
Diameter of well bore to bottom of seal 10 5/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 9 sacks
Number of sacks of bentonite used in well seal — sacks
Brand name of bentonite —
Number of pounds of bentonite per 100 gallons of water — lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Yamhill Driller's well number #1
¼ ¼ Section T. R. W.M.
Bearing and distance from section or subdivision corner
Sec. 24, T. 3-S, R. 2-W

(11) WATER LEVEL: Completed well.
Depth at which water was first found 590 ft.
Static level 410 ft. below land surface. Date 7/6/76
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 625 ft. Depth of completed well 625 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
Top Soil	0	2	
Brown Soft Rock	2	18	
Med. Hard Brown Rock	18	30	
Soft Black Basalt	30	85	
Med. Hard Black Basalt	85	190	
Hard Black Basalt	190	435	
Soft Grey Basalt	435	440	
Soft Brown Rock	440	450	
Med. Hard Black Basalt	450	515	
Hard Brown/Black Basalt	515	580	
Hard Grey Basalt	580	590	
Hard Black Basalt	590	610	
Med. Hard Brown/Black Basalt	610	625	

Work started 7/2/76 19 Completed 7/6/76 19
Date well drilling machine moved off of well 7/6/76 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Howard Adams (Drilling Machine Operator) Date 7/14/76 19
Drilling Machine Operator's License No. 1084

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Harlin M. Huffman (Person, firm or corporation) (Type or print)
Address Rt. 3, Box 279-E, Newberg, Ore. 97132
[Signed] Harlin M. Huffman (Water Well Contractor)
Contractor's License No. 117 Date 7/13, 1976

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
JAN 21 1969
STATE ENGINEER

WATER WELL REPORT
STATE OF OREGON
(Please type or print) (Do not write above this line)

Yamhill 2548

State Well No. 3/2W-24
State Permit No.

(1) OWNER:
Name Jack Dugan
Address 3815 SE Alkeny portland ore

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

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

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from +8" ft. to 40 ft. Gage 4
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? ☐ 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.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 447 ft. below land surface Date 3/8/68
Artesian pressure lbs. per square inch Date

(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.
" " "
" Air Lift 10 gal per Min "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 53 Was a chemical analysis made? ☐ Yes ☐ No

(10) CONSTRUCTION:
Well seal—Material used Cement
Depth of seal 40 ft.
Diameter of well bore to bottom of seal 9 7/8 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County Yamhill Driller's well number
¼ ¼ Section T. R. W.M.
Bearing and distance from section or subdivision corner
Sec 24 - T3S R2W

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 625 ft. Depth of completed well 625 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Top Soil	0	2	
Brown Clay	2	20	
Md hard Rock	20	32	
Hard Basalt	32	41	
Md hard Basalt	41	120	
Hard Basalt	120	218	
Md hard Basalt	218	243	
Hard Basalt	243	280	
Volcanic Rock	280	315	
Hard Basalt	315	332	
Black Basalt	332	445	
Grey Basalt	445	502	
Black Basalt	502	590	
Grey Basalt	590	605	
Black Basalt	605	620	
Grey Basalt	620	625	

Work started 3/3 1969 Completed 3/8 1969
Date well drilling machine moved off of well 3/8 1969

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Harlan M Hoffman (Drilling Machine Operator) Date 3/10, 1969
Drilling Machine Operator's License No. 82

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Harlan M Hoffman Inc (Person, firm or corporation) (Type or print)
Address 709 N Main Molalla ore
[Signed] Harlan M Hoffman (Water Well Contractor)
Contractor's License No. 117 Date 3/10, 1969

(USE ADDITIONAL SHEETS IF NECESSARY)

Yamh
2549

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM 10, OREGON within 30 days from the date of well completion.

FEB 14 1963

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

State Well No. 3/2W-24

State Permit No. .....

(1) OWNER:
Name Robert Rilee
Address Rt.2 Box 245 Newberg Oregon

(2) LOCATION OF WELL:
County Yamhill Driller's well number
¼ ¼ Section 24 T. S 3 R. 2 W W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

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

(5) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☒
6 5/8 OD Diam. from 0 ft. to 70 ft. Gage 17.02#
..... Diam. from ..... ft. to ..... ft. Gage .....
..... Diam. from ..... ft. to ..... ft. Gage .....

(7) PERFORATIONS:
Perforated? ☐ 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.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

(8) SCREENS:
Well screen installed ☐ Yes ☒ No
Manufacturer's Name .....
..... Model No. .....
Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.
Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.

(9) CONSTRUCTION:
Well seal—Material used in seal Cemment& Benhenite
Depth of seal 70 ft. Was a packer used? .....
Diameter of well bore to bottom of seal 10" in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth .....
Was a drive shoe used? ☐ Yes ☒ No
Was well gravel packed? ☐ Yes ☒ No Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 425 ft. below land surface Date 11/5/62
Artesian pressure lbs. per square inch Date

(11) 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.
" " " "
" " At bottom "
Bailer test 4 gal./min. with ft. drawdown after ½ hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 500 ft. Depth of completed well 500 ft.
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
Red clay	0	21
Light gray clay	21	33
Gray clay changeing toSoft rock	33	63
Med. hard blue baslt	63	70
Med. hard Baslt	70	203
Hard blue Baslt	203	241
Med. hard Baslt	241	297
Very hard Baslt	297	328
Hard basalt	328	412
Very hard basalt	412	435
Med. soft Some ash.	435	442
Med soft Basalt	442	455
Hard basalt	455	482
Med soft	482	496
Very hard Basalt	496	500

Work started Nov. 5 19 62 Completed Feb. 4 19 63
Date well drilling machine moved off of well 19

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

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME MEEKER WELL DRILLING
(Person, firm or corporation) (Type or print)
Address 2902 Hoover BLVD. Newberg Ore.
Drilling Machine Operator's License No. 50
[Signed] John H Meeker
(Water Well Contractor)
Contractor's License No. 111 Date Feb. 4-63, 19.....

(USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED SEP 26 1969 STATE ENGINEER OREGON

WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

Yamh 2555

State Well No. 3/2W-24Aa

State Permit No.

(1) OWNER:
Name L. R. Fulmer
Address RT 7, Box 7589 Bainbridge Is. Wash.

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

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

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
[illegible]" Diam. from [illegible] ft. to [illegible] ft. Gage [illegible]
6" Diam. from 0 ft. to 36 ft. Gage .250
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:
Perforated? ☐ 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.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.
Static level 260 ft. below land surface Date 9-15-69
Artesian pressure lbs. per square inch Date

(9) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Operator
[illegible] 25 gal./min. with 310 ft. drawdown after 2 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 52° Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Bentonite & Cuttings
Depth of seal 0 To 36 ft.
Diameter of well bore to bottom of seal 9 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☐ Yes ☒ No
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(11) LOCATION OF WELL:
County Yamhill Driller's well number 1 46
NW ¼ NW ¼ Section 24 T. 3S R. 2W W.M.
Bearing and distance from section or subdivision corner

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 620 ft. Depth of completed well 620 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Brown Soil	0	1	
Brown Clay	1	18	
Brown Shale	18	27	
Hard Gray Basalt	27	112	
Gray & Brown Broken Basalt	112	204	
Gray Basalt Gray clay seams	204	212	
Soft Gray Basalt	212	238	
Gray, Brown Broken Basalt	238	332	
Hard Gray Basalt	332	348	
Gray Brown Broken Basalt	348	381	
Brown Porous Basalt	381	385	
Red Porous Basalt	385	396	
Brown Gray Broken Basalt	396	472	
Hard Gray Basalt	472	586	
Gray Brown Broken Basalt Water	586	620	

Work started 9-11 1969 Completed 9-15 1969
Date well drilling machine moved off of well 9-15 1969

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Raymond A Borchers (Drilling Machine Operator) Date 9-15, 1969
Drilling Machine Operator's License No. 305

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME B & S Drilling Co. (Person, firm or corporation) (Type or print)
Address RT 3 Box 271A Stayton, Ore
[Signed] Raymond A Borchers (Water Well Contractor)
Contractor's License No. 404 Date 9-15, 1969

(USE ADDITIONAL SHEETS IF NECESSARY)

YAMH 54633

YAMH 54633

STATE OF OREGON Arrow 06-047
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

WELL ID # L 85547
START CARD # 189603

(1) LAND OWNER:
Well Number: _____
Name: Glenn Gregg
Address: 10415 SW Terwilliger Place
City: Portland State: OR Zip: 97219

(2) TYPE OF WORK: (repair/recondition)
☒New Well ☐Deepening ☐Alteration ☐Abandonment

(3) DRILL METHOD:
☒Rotary Air ☐Rotary Mud ☐Cable ☐Auger
☐Other: _____

(4) PROPOSED USE:
☒Domestic ☐Community ☐Industrial ☐Irrigation
☐Thermal ☐Injection ☐Livestock ☐Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐Yes ☒No
Depth of Completed Well 622
Explosives Used ☐Yes ☒No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	sacks or pounds
10"	0	477	bent chip	0	50	47 inc bf
			cement	99	477	135 scks
6 1/4	477	622				

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☒ Other bent chips poured - probed
Backfill placed from 50 to 99 Material bent chips
Gravel placed from _____ to _____ Size of gravel _____

(6) CASING/LINER:
CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
6"	+2'	477	.250	☒	☐	☒	☐
				☐	☐	☐	☐
				☐	☐	☐	☐
				☐	☐	☐	☐

LINER:

4 1/2	402	582	160#	☐	☒	certilock
4 1/2	582	622	sch 40	☐	☒	certilock

Drive Shoe used ☐ Inside ☒ Outside ☐ None
Final location of Shoe(s): 477' 4 1/2" x 5" pvc reducer top of liner

(7) PERFORATIONS/SCREENS:
☒Perforations Method: saw cut
☐Screen Type: _____ Material: _____

From	To	Slot Size	No.	Tele/pipe Diameter	size	Casing	Liner
582	622	3/16x7	72	4 1/2	pipe	☐	☒
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐Pump ☐Bailer ☒Air ☐Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
31	N/A	620	1 hr.
30	N/A	580	15 min.
15	N/A	540	15 min.

Temperature of water 54 Depth Artesian Flow Found _____
Was a water analysis done? yes By whom: Arrow
Did any strata contain water not suitable for intended use? (explain)
Depth of strata:

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WATER RESOURCES DEPT
SALEM, OREGON

ARROW DRILLING 503-538-4422

(9) LOCATION OF WELL by legal description:
County: Yamhill Latitude: _____ Longitude: _____
Township: 3S Range: 2W
Section: 24 NW ¼ NE ¼
Tax Lot: 200 Lot: _____ Block: _____ Subdivision: _____
Street Address of Well (or nearest address) nya intersection of Smith and Parrett Mtn Roads

(10) STATIC WATER LEVEL:
470 Ft. below land surface Date 10/25/06
Artesian pressure _____ lb. per sq. in. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 106'

From	To	Est. Flow Rate	SWL
106	164	trace	dnm
459	470	< 2 gpm	dnm
482	622	31 gpm	470

(12) WELL LOG: Ground Elevation: _____

Material	From	To	SWL
top soil	0	1	
clay brwn silty	1	6	
rock brwn decomp very sft w/occ clay white/red	6	44	
basalt gray/brwn decomp sft	44	56	
basalt gray med wthd	56	67	
basalt gray med-hrd w/brwn seams	67	106	
basalt gray/brwn med fract	106	164	
basalt gray hrd w/occ brwn fract	164	185	
basalt brwn.gray med-hrd fract	185	202	
basalt brwn/gray decomp	202	211	
basalt gray med w/occ brwn fract	211	248	
basalt gray slightly decomp w/lenses of hard basalt gray	248	295	
basalt gray/brwn med fract	295	408	
basalt gray/blk med-hrd slightly fract	408	416	
basalt gray med-hrd fract	416	459	
basalt gray/brwn med well fract	459	470	
basalt gray hrd	470	482	
basalt decomp gray/brwn/red vesic	482	491	
basalt gray to blk hrd fract	491	546	
basalt gray/blk hrd well fract	546	583	
basalt decomp brwn/gray vesic bkn	583	591	
basalt gray/brwn bkn	591	604	
basalt gray/blk hrd fract	604	622	

Date Started: 10/20/06 Completed: 10/27/06

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration,, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1483
Signed _____ Date 10/30/06

ORIGINAL - Water Resources Department FIRST COPY - Constructor SECOND COPY - Customer

YAMH 56638

State of Oregon Amended owner address
WATER WELL REPORT (as required by ORS 537.765) Page 1 of 1

State Well ID L112363
Start Card # 1021022

(1) OWNER: Well No. 2813
Name TAI-RAN NIEW
Address 2011 KALORAMA RD NW #7
City WASHINGTON St DC Zip 20009

(2) TYPE OF WORK: NEW WELL

(3) DRILL METHOD: ROTARY AIR

(4) PROPOSED USE: DOMESTIC

(5) BORE HOLE CONSTRUCTION:
Special Construction Approval NO Depth of Compl. Well 581 ft
Explosives used NO Type _____ Amount _____

	HOLE			SEAL		
Diam.	From	To	Material	From	To	Amount
10	0	320	BENTONITE CHIP	0	1	1 SAX
6	320	581	CEMENT	1	320	80 SAX

Seal placement method C AND POURED
Backfill: from ___ ft to ___ ft Material
Gravel: from ___ ft to ___ ft Size _____

(6) CASING/LINER:

	Diam.	From	To	Gauge	Material	Connection
Casing	6	+1.5	320	.25	STEEL	WELDED
Liner	4	4	581	SCH40	PLASTIC	THREADED

Final Location of shoe(s) 320 // SPLINE-LOC LINER

(7) PERFORATIONS/SCREENS:
[X] Perf. Method CIRCULAR SAW
[_] Screens Type _____ Material _____

From	To	Slot Size	Number	Tele/pipe Diam.	Tele/pipe Size	Casing/liner
543	561	.1X6"	34			LINER
571	580	.1X6"	16			LINER

(8) WELL TESTS! Minimum testing time is 1 hour
Test type AIR

Yield GPM	Draw-down	Drill stem at	Time
18		580	1 hr.
18		568	1

Temperature of water 53F Depth Artesian Flow Found ____
Was water analysis done? NO By whom _____
Reason for water not suitable for use _____
Depth of strata ___

(9) LOCATION OF WELL by legal description:
County YAMHILL Lat. ° ' " Long. ° ' "
Township 3 S Range 2 W WM.
Section 24 NE 1/4 NE 1/4
Tax Lot 100 Lot Block Subdivision
Street Address of Well (or nearest Address)
35568 NE SMITH RD NEWBERG, OR

(10) STATIC WATER LEVEL:
419 ft. below land surface. Date 09/19/13
Artesian pressure _____ lb per square in. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 69

From	To	Est Flow Rate	SWL
69	79	1	DNM
190	199	3	DNM
301	304	3	DNM
519	575	18	419

(12) WELL LOG:
Ground elevation ___

Material	From	To	SWL
TOP SOIL	0	5	
CLAY, RED/BROWN	5	47	
CLAY, RED/BROWN W/SOME SOFT ROCK	47	69	
BASALT, DECAYED W/BROWN CLAY	69	79	
BASALT, SOFT BROWN SANDY	79	114	
BASALT, DECAYED WITH MEDIUM GRAY	114	152	
BASALT, SOFT DECAYED	152	168	
BASALT, MEDIUM GRAY	168	190	
BASALT, SOFT GRAY W/DECAY	190	199	
BASALT, HARD GRAY	199	301	
BASALT, DECAYED W/SOME GRAY	301	304	
BASALT, HARD GRAY	304	474	
BASALT, MED GRAY W/SOME OCC HARD BROWN	474	476	
BASALT, HARD GRAY	476	519	
BASALT, SOFTER GRAY W/DECAY AND SEAMY	519	575	
BASALT, HARD GRAY	575	581	

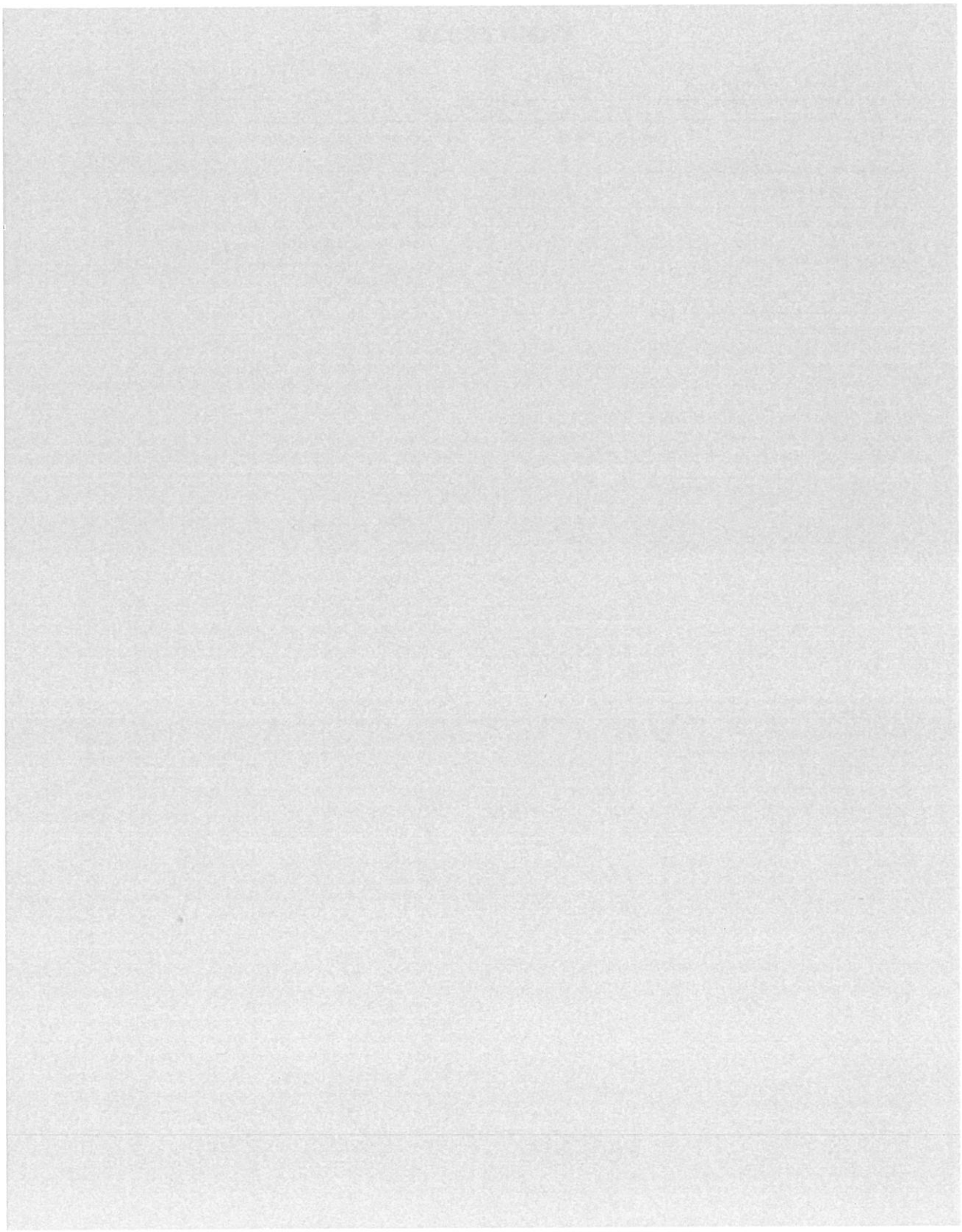
DAVE PAYSINGER, bluewaterdrilling.com
Date started 09/12/13 Completed 09/19/13

(unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to my best knowledge and belief.
WWC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1438
Signed [signature] Date 09/20/13

RECEIVED
OCT 10 2013
WATER RESOURCES DEPT

ORIGINAL & FIRST COPY - WATER RESOURCES DEPTARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY / CUSTOMER 9809C 10/91



Class I Cultural Resources Report

The Class I Cultural Resources Overview was conducted to provide a synopsis of the cultural history of the Bob and Crystal Rilee Park from the prehistoric period through to the modern era. This overview is then used to understand what resource may exist within the Park and provide recommendations for identifying and managing those resources in the future.

Previous Research

Previous Cultural Resources Surveys

WHPacific archaeologist, Sarah Brownell, searched online databases, archives, and reviewed historical maps, aerial imagery, and other references available through the Oregon State Historic Preservation Office's (SHPO's) online database. The search included the area within 2-miles of the project area. This kind of search allows for predictions to be made regarding the occurrence and frequency of archaeological sites in areas that have not been previously identified.

A search of the SHPO geographic information system (GIS) database indicated that three cultural resource surveys have been conducted within a 2-mile radius of the project area. In addition, Portland State University and Linfield College conducted an archaeological field school on the Rilee property (see the "Parrett Mountain Property" section.

The cultural resource surveys included: one survey of a damaged road section (Diters 2008); one survey of Newberg—Dundee Bypass Project (Oetting 2012); and one survey of the Corral Creek Obstruction Removal Project (Goodwin et al. 2013). These surveys did not result in the discovery of any archaeological sites or isolates within 2 miles of the project area.

The paucity of recorded archaeological sites near the project area likely reflects the lack of surveys and not the lack of archaeological resources.

General Land Office (GLO) maps of Township 3 South, Range 2 West, Willamette Meridian, dating to 1852 and 1863 were reviewed for pertinent information. No development within the project area is evident on either map (General Land Office 1852 and 1863).

Culture History

Archaeological Overview

The archaeological record in the Willamette Valley, which includes the Chehalem Mountains and Bob and Crystal Rilee Park, begins approximately 12,000 years ago as evidenced by the discovery of a few isolated fluted projectile points scattered throughout the upper Willamette valley (Aikens et al. 2011). Early Holocene (13,000 to 7,500 B.P.) and Middle Holocene (7,500 to 3,000 B.P.) sites are also found in the valley with evidence of continuous or near-continuous Native American occupation during the Late Holocene (3,000 B.P to Euro-American Contact).

Ethnographic Background

Bob and Crystal Rilee Park is located in ethnographically identified Kalapuyan territory (Zenk 1990). The name Kalapuya applies to people who spoke Kalapuyan languages, a family within the Penutian phylum.

The Kalapuya are divided into approximately 13 groups or tribes, each with its own dialect. The dialects are part of three closely related but mutually unintelligible languages. Of these groups, the Tualatin band of the Kalapuya inhabited the area where the project is located, centered on Tualatin River watershed. The nearest ethnographically identified Tualatin winter village is located in the vicinity of the present City of Newberg located approximately 4.5 miles west of the Parrett Mountain property (Zenk 1976).

Kalapuyans seasonally occupied permanent winter villages and lived in temporary camps from approximately April through November. Winter houses were multi-family dwellings, with each family occupying separate section. The houses themselves have not been well described and may have been made of bark, planks or both. In addition to permanent houses, villages also contained domed sweat lodges (Zenk 1976, 1990). Material culture typical of the Kalapuyans included cattail mats, sewn bark containers, stone mortars and pestles, antler, bone, wood and shell implements and basketry. River canoes were hollowed out from cedar, fir, or cottonwood logs (Zenk 1990).

Plant resources were a major food source for the Kalapuyans. Camas was the single most important resource and extremely abundant in the Willamette Valley. Camas was roasted in pit-ovens, dried and pressed into cakes; it was both an important food source and trade item. Wapato was also a staple item whose harvest was an important part of the annual cycle (Zenk 1976). Other important plant resources included tarweed seeds, hazelnuts and berries. Game included birds, small mammals, white-tailed deer, elk and black bear. Additional food resources included lampreys, grasshoppers and caterpillars (Zenk 1990).

Kalapuyans cyclically burned areas of Willamette Valley to enhance food production (Zenk 1976). The burning supported the growth of seed-bearing annuals, grasses, geophytes (camas) and fire tolerant oaks as opposed to conifers and shrubs (Aikens et al. 2011). In particular, areas were burned when tarweed seeds were ripe. After the plant had been burned, women would beat the seeds into a basket with a racket-type implement formed from sticks after which all of the seeds were ground into a flour using a hopper mortar and pestle (Zenk 1976).

Historic Overview

The historic period in the valley introduced devastating Euro-American diseases to the native population. Zenk (1976: 11) estimates the 1780 population of Tualatins at 1,000 to 2,000 individuals before the smallpox epidemic of 1782 likely reduced the population by an estimated one-third to one-half. Subsequent waves of European-brought diseased continued to reduce the population further. In 1851 surviving Tualatins, Molallas and other Kalapuyan peoples signed the Champoeg Treaty allotting them a small piece of land including Wapato Lake to become a new reservation. However, the treaty was not ratified by the Senate and the reservation never became official. Another treaty was signed in 1856 that removed the Tualatin from their homeland to the Grand Ronde Reservation (Zenk 1976).

The decimation of the native population likely made it difficult if not impossible to maintain pre-contact lifeways, political organization and social institutions. Because of this, it must be remembered, that ethnographers of the late 1870s were speaking with natives a generation or more after pre-reservation lifeways had effectively ended (Zenk 1990). Therefore, while ethnographic records are still hugely important, archaeology is a particularly valuable resource in the valley as the impoverished native community described by settlers does not coincide with the rich culture shown in the pre-contact archaeological record.

Fur trappers were the first Euro-Americans recorded in the region in the 1810s following Lewis and Clark's 1805/06 expedition (Zenk 1990). Some eventually settled in the Willamette Valley. The area of the valley between the Willamette and Pudding rivers became known as French Prairie, due to the large French-Canadian presence. Ninety-seven French-Canadians are known to have been heads-of households on French Prairie between 1829 and 1843 (Brauner 1989).

By the 1830s, Hudson's Bay Company's British-run Fort Vancouver controlled most business in the Willamette Valley and setup the outpost of Champoeg, located approximately 2 miles south of the project area, to capitalize on local wheat exports. Champoeg ended up being the location of a series of meetings among early settlers, including the first democratic vote in the West in 1843 when settlers determined they would establish Oregon's allegiance to the United States thus creating the first provisional Government in the Northwest. During the 1840s and 1850s, Champoeg developed into a town eventually reaching a population of 200 people. In 1861 a major flood swept through the town site and not much was rebuilt. It's estimated that less than a third of the 74 platted blocks of the town site were ever built. But even after the flood, the town was still used as a shipping port (Middleton 1975).

Archaeological exploration at Champoeg began in 1972 near the center of the old town. At the time, it was clear that people had been collecting artifacts for years and the area had been plowed and pastured by sheep and cattle on different occasions. No structural remains were found, but hundreds of ceramic and glass fragments were observed in addition to pipe fragments. The majority of the artifacts were of British origin and likely linked to the Hudson's Bay Company era of development. Excavation continued in 1974 and 1975 with fieldwork taking place where a former blacksmith's shop and school house were presumed to be located (Middleton 1975).

The Parrett Mountain Property

Early settlers in the Willamette Valley included Samuel and Maria Everest Parrett (formerly Parrott) who, along with two of Samuel's brothers, William and Henry, emigrated from Kent, England and arrived in Oregon Territory in 1853. Following their arrival, the brothers made Donation Land Claims totaling 650 acres in what is now eastern Yamhill County (Cornett and Smith 2008; McArthur 1926; Rhode 2011). As the Parrett brothers and their families developed productive farms, the landform known as "Wild Horse Mountain" on which they had their holdings soon took on the name "Parrett Mountain" (McArthur 1926).

Throughout the years, a variety of crops were grown on the Parrett properties including hops which led to an interesting period in the property's history when Chinese laborers came to work the hop fields. Chinese immigration into Oregon began in the late-1840s to early 1850s as early settlers began to industrialize and look for inexpensive labor. However, Chinese immigration was followed by racism discrimination with exclusion laws in 1882 effectively ending Chinese immigration for a decade. The first influx of Chinese laborers to the Parrett Mountain area arrived after the exclusion act when the Oregon and Transcontinental Railroad was built through the nearby town of Sherwood in 1885 although they may not have worked on Parrett Mountain until years later (Cornett and Smith 2008; Reynolds 2006).

On Parrett Mountain, there came to be area used by seasonal Chinese laborers and known to residents as "China Hill". Interviews with the Parrett family helped determine its approximate location. Crystal Dawn Smith Rilee, a Parrett family descendent detailed further below, remembered seeing Chinese laborers eating rice during her childhood in the early 20th century (Cornett and Smith 2008). Taking this information in hand, Portland State University and Linfield College conducted two joint archaeological field schools on the China Hill Site in 2008 and 2009. However their work was terminated during the legal proceedings before formal reporting could be completed. During the field schools, no subsurface artifacts were recovered and

all artifacts found on the surface were stored in one of the property's outbuildings (Cameron Smith, PhD, personal communication 2016).

The property stayed in the Parrett family over the years and in 1957, two different decedents of Samuel and Maria Everest Parrett applied to have their farms designated as "Century Farms" (Oregon State University 2016). The Oregon Century Farm & Ranch Program recognizes farmers and ranchers who have worked the same land for at least 100 years. The Oregon Farm Bureau Foundation for Education administers the program and funding is provided through a partnership with the Oregon Farm Bureau, Wilco, Oregon State Historic Preservation Office, and Oregon State University Libraries' University Archives. Successful applicants get several perks including: a certificate signed by the Governor; a durable metal road sign to identify the property as a historic Century Farm or Century Ranch; and the family is honored during a special ceremony and reception at the Oregon State Fair (Oregon Century Farm & Ranch Program 2016).

The two applications by two family members were made on the same date of Saturday, November 30, 1957 indicating planning and partnership on the subject between the two family members. One application, made by Bertha and Forrest, was for an 80 acre parcel of land located in the West 1/2 of the Northwest 1/4 of Section 24, Township 3 South, Range 2 West. The original owners of the land are noted as "great grandfather (to F. Smith), grandfather (to B. Parrett)" (assumed here to be Forrest Smith and Bertha Parrett) (Century Farm & Ranch Viewer 2016). The second application was made by Robert, a grandson of the original owners, for a 40 acre parcel consisting of "10 acres prunes, 7 acres grain land, 23 acres trees, pasture & buildings" located in the Southeast 1/4 of the Southwest 1/4 of Section 13, Township 3 South, Range 2 West. This second parcel was a part of the original 650 acres Parrett property, but is not located within the current holdings. Both applicants had their land awarded with the status of "Century Farm" (Figure 1).

Figure 1: "Century Farm" sign at the Parrett Mountain Property

In 1942 a portion of the Parrett property came into the hands of Crystal Dawn Smith Rilee, a great-granddaughter of Samuel and Maria Parrett. In an interview, Crystal describes her upbringing on Parrett Mountain:

> *I was born on Parrett Mountain on the farm I now live on. This farm is the 160 acres that originally belonged to my mother. We lived in a crudely made clapboard house. In the summer we had a crude camp house we used to keep cool down by the spring. We would also wash clothes from the creek in big iron pots to boil water with...we were poor, but we didn't know we were that poor. Once a little girl invited me to go home to spend the night with her. I didn't realize that her family was even poorer than us and I felt so bad for her when that night she did not have anything to feed me...that is when I became to appreciate that our farm always had fresh eggs and milk* (Rhode 2011).

After leaving home in 1936 to work in Portland, Rilee moved about the country working for the Social Security Administration living in Baltimore, Washington D.C., and New Bern, North Carolina. After her mother passed away in 1942, Crystal returned to Parrett Mountain at which point her mother Ella's 150 acres holding passed to her. That year Crystal took a job in Seattle where she met her future husband Robert C. Rilee, a Navyman, whom she married in Newberg in 1946. In March of 1953 the couple settled on the old family farm on Parrett Mountain. Crystal was passionate about documenting her family heritage and the importance of Oregon history. In the following years, before her death in 2006, Crystal bought back much of her family's historic holdings as suburban development began to encroach on Parrett Mountain. By 2006 she had acquired 418 acres in total, a large portion of the original family's 650 acre holding (Rhode 2011).

After Crystal's passed away, her land became the property of the Crystal Dawn Smith Rilee Foundation whose mission was*: "To provide both an educational and historical outlet to the general public by preserving a turn of century Oregon farm, and at the same time preserving the history of an area that is being rapidly developed with urban growth. The foundation will provide the opportunity and location for persons to visit a working farm through exhibits, demonstrations, tours, agriculture, forestry, and the creation of an historical museum" (Rhode 2011).*

In 2008, the 150 year old Henry Parrett House was move from Newberg to Parrett Mountain. The intention was to restore the house as a centerpiece of a recreated 1860s farm, but restoration did not occur, and today the house sits in a field, 980 ft northwest of the main farm house (DJC Staff 2008). The house has been determined to be not eligible/non-contributing to the National Register of Historic Places (Oregon Historic Sites Database 2016). The property also includes various outbuildings, some of which may have historic value. In addition, the old Parrett Mountain School House sits at the far northeastern corner of the northern parcel and could provide an opportunity to learn more about life during the period from 1930-1953 although no details of the school house or its use were available at the time of this report.

In 2013, the Chehalem Park & Recreation District purchased the property and intends to continue in the spirit of the Crystal Dawn Smith Rilee foundation by maintaining ties to the historic nature of the property.

Expected Cultural Resources

Given the project area is both within ethnographic Kalapuyan territory and was the site of early pioneer settlement in the Willamette Valley in addition to containing historic immigrant labor camps, there is a high probability of archaeological sites from both pre-Euro-American contact and historic-era being present on the property. Examples of the types of archaeological sites that may be encountered within the boundaries of the Park include prehistoric lithic scatters, prehistoric short or long term habitation sites, historic dumps, historic privies, short term labor camps, and foundations from early outbuildings.

Planning Recommendations

Based on this background research and best known practices, we recommended intensive pedestrian survey with sub-surface shovel probing prior to any **ground disturbing** development. In addition, given the paucity of information in the Oregon Historic Sites Database, an architectural historian should formally evaluate any buildings over 45 years of age currently located on the property before further modifications are made. Furthermore, should any formal interpretive material be made available to the public in the future (e.g. interpretive signs, on-site museum), it is recommended that the various historic elements of the property's history be further investigated to provide the best possible material. Possible resources for research and further work on this project include: the Yamhill County Historical Society, Oregon Historical Society, Multnomah County Library System, Washington County Library System, and the Yamhill County Library System in addition to ethnographic interviews with any Parrett family decedents or people that have a history in the Parrett Mountain area. The Confederated Tribes of Grand Ronde should also be consulted with regarding any information on the cultural importance of Parrett Mountain to the Kalapuya.

References Cited

Aikens, Melvin C., Thomas J. Connolly, and Dennis L. Jenkins
2011 *Oregon Archaeology*. Oregon State University Press, Corvallis, Oregon.

Brauner, David R.
1989 The French-Canadian Archaeological Project, Willamette Valley, Oregon: Site Inventory and Settlement Pattern Analysis. Department of Anthropology Oregon State University. Submitted to the Oregon State Historic Preservation Office. Contract No. HSPP 8502 and HSPP 8613.

Cornett, William L. and Cameron M. Smith
2008 *Pre-Excavation Reconnaissance at the China Camp Site*. Portland State University. Submitted to the Crystal Dawn Smith Rilee Foundation.

Diters, C.E.
2008 *PW 284 v 1, Quarry Road improved project*. FEMA. FEMA Memo No. FEMA-1632-DR-OR.

DJC Staff
2008 *Historic house moved to Parrett Mountain Farm*. DJC Oregon: Oregon's Building Connections. Electronic document, http://djcoregon.com/news/2008/10/07/historic-house-moved-to-parrett-mountain-farm/, accessed April 17, 2016.

General Land Office
1852 Platte of Township 3 South, Range 2 West, Willamette Meridian.
1863 Platte of Township 3 South, Range 2 West, Willamette Meridian.
University of Oregon Libraries. Electronic documents,
https://library.uoregon.edu/map/GIS/Data/Oregon/GLO/index.html, accessed April 1, 2016.

Goodwin, Matt, Todd Ogle, and Donald Shannon
2013 *Cultural Resources Survey of the Corral Creek Obstruction Removal Project*. Willamette Cultural Resources Associates, Ltd. Submitted to the Clackamas County Soil and Water Conservation District Oregon City, Oregon. WillametteCRA Report Number 13-01.

McArthur, Lewis A.
1926 Oregon Geographic Names. *The Quarterly of the Oregon Historical Society* 27(4): 439.

Middleton, Janice E.
1975 *Champoeg Historical Townsite, Oregon: Historical Summary and Brief Artifact Analysis*

Oetting, Albert C.
2012 *Archaeological Investigations for the Newberg—Dundee Bypass, Project Yamhill and Washington Counties, Oregon*. Heritage Research Associates. Submitted to the Oregon Department of Transportation. Heritage Research Associates Report No. 350.

Oregon Century Farm & Ranch Program
2016 *Welcome*. Oregon Century Farm & Ranch Program. Electronic document, http://oregonfb.org/centuryfarm/, accessed April 18, 2016.

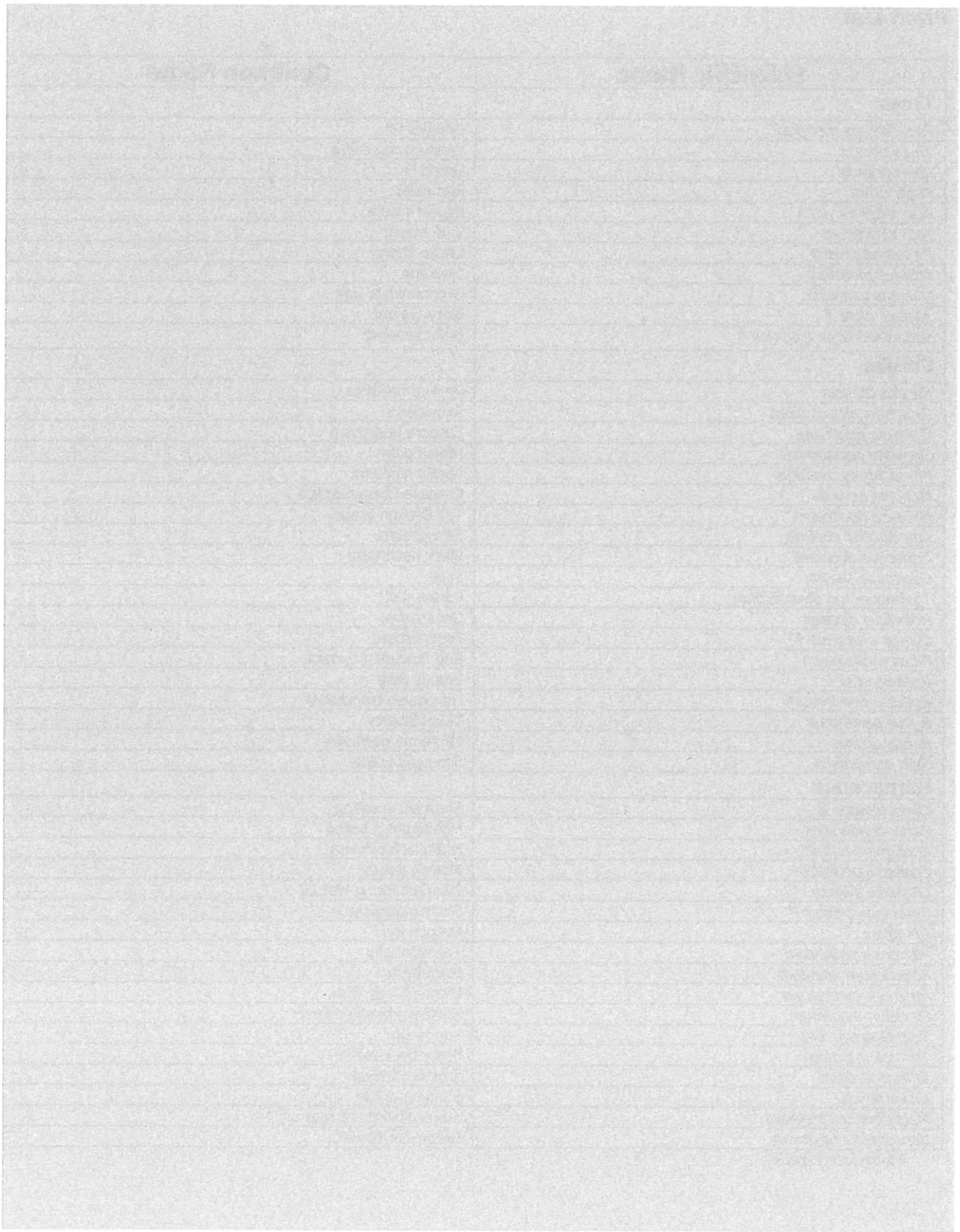
Oregon Historic Sites Database
2016 *Henry Parrett House*. Oregon State Parks. Electronic document,
Househttp://heritagedata.prd.state.or.us/historic/index.cfm?do=v.dsp_siteSummary&resultDisplay=654400, accessed April 12, 2016.

Oregon State University
2016 *Century Farm and Ranch Viewer*. Oregon State University. Electronic document, http://ocfrp.library.oregonstate.edu/public/farms?field_name_of_farm_or_ranch_value=&field_original_owner_value=parrett&combine_2=&field_county_value=, accessed April 18, 2016.

Pettigrew, Richard M.
1990 Prehistory of the Lower Columbia and Willamette Valley. In *Northwest Coast,* edited by Wayne Suttles, pp. 518-529. Handbook of North American Indians, vol. 7, W.C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

Rhode, Elizabeth
2011 *Oregon Ag Stories: Parrett Mountain Farm, Yamhill County*. Oregon Agriculture: Agri-Business Council of Oregon. Electronic document, http://www.oregonfresh.net/oregon150/parrotmountain.php, accessed April 4, 2016.

Zenk, Henry B.
1976 *Contributions to Tualatin Ethnography: Subsistence and Ethnobiology.* Unpublished Master's thesis, Department of Anthropology, Portland State University, Oregon.
1990 Kalapuyans. In *Northwest Coast,* edited by Wayne Suttles, pp. 547-553. Handbook of North American Indians, vol. 7, W.C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.



Plant List

Scientific Name	Common Name
Trees:	
Pseudotsuga menziesii	Douglas fir
Thuja plicata	Western red cedar
Abies grandis	Grand fir
Alnus rubra	Red alder
Acer macrophyllum	Bigleaf maple
Acer circinatum	Vine maple
Prunus virginiana	Choke cherry
Arbutus menziesii	Madrone
Quercus garryana	Oregon white oak
Juglans nigra *	Black walnut
Sequoiadendron gigantea *	Giant sequoia
Shrubs	
Corylus cornuta	Beaked hazelnut
Symphoricaropos albus	Snowberry
Frangula purshiana	Cascara buckthorn
Oemleria cerasiformis	Indian plum
Physocarpus capitatus	Pacific ninebark
Mahonia nervosa	Cascade Oregon grape
Mahonia aquifolium	Tall Oregon grape
Amelanchier alnifolia	Serviceberry
Crataegus douglasii	Black hawthorn
Gaultheria shallon	Salal
Toxicodendron diversilobum	Poison oak
Holodicus discolor	Oceanspray
Cytisus scoparius *	Scots broom
Ribes sanguineum	Red flowering currant
Rosa woodsii	Woods rose
Rubus armeniacus *	Himalayan blackberry
Rubus parviflorus	Thimbleberry
Rubus ursinus	California dewberry
Salix scouleriana	Scouler's willow
Herbaceous	
Carex leptopoda	Short scale sedge
Carex hendersonii	Henderson's sedge
Cardamine nuttallii	Nuttall's toothwort
Claytonia perfoliata	Miner's lettuce
Claytonia sibirica	Siberian spring-beauty
Geranium lucidum *	Shiny geranium
Iris tenax	Oregon iris
Mertensia paniculata	Tall bluebells
Polystichum munitum	Swordfern
Athyrium cyclosorum	Western lady fern
Pteridium aquilinum	Northern bracken fern
Tellima grandiflora	Fringecup
Tolmiea menziesii	Piggy-back plant
Trillium ovatum	Western trillium
Urtica dioica	Stinging nettle
Maianthemum stellatum	Starry Solomon's seal
Vancouveria hexandra	Inside-out flower

*Introduced species