#### **OBSERVATION WELL** STATE WELL NO. 1N/13-32G(1) STATE ENGINEER Well Record COUNTY Wasco Salem, Oregon 002662 APPLICATION NO. G-8 **MAILING** Milton F. Martin OWNER: ... ..... ADDRESS: ... CITY AND The Dalles, Oregon LOCATION OF WELL: Owner's No. 1 STATE: SW 1/4 NE 1/4 Sec. 32 T. 1 //// R. 13 //// W.M. Bearing and distance from section or subdivision corner S 44°33' W -2,657 feet from NE corner Section 32 Altitude at well 1180+ TYPE OF WELL: drilled Date Constructed Nov. 1946 Depth drilled 336 Depth cased 240 Section ...32.... CASING RECORD: 43.25 feet of 8-inch casing set in 1946 Packer set at 240 feet in 1949 to prevent leakage that had developed between aquifer and bottom of 8-inch casing. Cased with 6-inch I.D. casing from surface to packer. FINISH: open hole below 240 feet. AQUIFERS: Basalt from 312 to 336 feet WATER LEVEL: 144.72 feet above land surface, March 15, 1948 Capacity ...... G.P.M. Offset from 2311 to boostmend head WELL TESTS: Drawdown ft. after hours G.P.M. Drawdown ft. after hours G.P.M.

USE OF WATER Irrigation 355-acres Temp. 81 °F. ,19
SOURCE OF INFORMATION U.S.G.S. Application file, Driller, Owner.
DRILLER or DIGGER Dorin Wilburn

Water hardness 55 p.p.m., chloride 4 p.p.m.

ADDITIONAL DATA:

REMARKS:

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### Well Log

Driller: Dorin Wilburn   Date Drilled Nov. 1946	Owner: Milton F. Martin	Owner's No#1			
Sandstone, hard   0   21   21   21   26   5   5   5   5   5   5   5   5   5	Driller: Dorin Wilburn				
Sandstone, soft       21       26       5         Sandstone, hard       26       81       55         Rock, broken, some water       61       102       21         Soapstone and clay       102       118       16         Rock, broken       118       126       8         Soapstone       126       135       9         Basalt, hard, black       135       144       9         Clay, sticky       147       156       9         Rock, hard       147       156       9         Rock, broken       156       178       22         Clay, sticky       178       196       18         Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	CHARACTER OF MATERIAL	(Feet below 'and surface)		<b>—</b>	
Sandstone, hard       26       81       55         Rock, broken, some water       61       102       21         Soapstone and clay       102       118       16         Rock, broken       118       126       8         Soapstone       126       135       9         Basalt, hard, black       135       144       9         Clay, sticky       144       147       3         Rock, hard       147       156       9         Rock, broken       156       178       22         Clay, sticky       178       196       18         Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	Sandstone, hard	0	21	21	
Rock, broken, some water         61         102         21           Soapstone and clay         102         118         16           Rock, broken         118         126         8           Soapstone         126         135         9           Basalt, hard, black         135         144         9           Clay, sticky         144         147         3           Rock, hard         147         156         9           Rock, broken         156         178         22           Clay, sticky         178         196         18           Rock, broken         196         212         16           Soapstone and rock, caving         212         215         3           Soapstone         215         222         7           Shale, black and green         222         245         23	Sandstone, soft	21	26	5	
Soapstone and clay       102       118       16         Rock, broken       118       126       8         Soapstone       126       135       9         Basalt, hard, black       135       144       9         Clay, sticky       144       147       3         Rock, hard       147       156       9         Rock, broken       156       178       22         Clay, sticky       178       196       18         Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	Sandstone, hard	26	81	55	
Rock, broken       118       126       8         Soapstone       126       135       9         Basalt, hard, black       135       144       9         Clay, sticky       144       147       3         Rock, hard       147       156       9         Rock, broken       156       178       22         Clay, sticky       178       196       18         Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	Rock, broken, some water	61	102	21	
Soapstone       126       135       9         Basalt, hard, black       135       144       9         Clay, sticky       144       147       3         Rock, hard       147       156       9         Rock, broken       156       178       22         Clay, sticky       178       196       18         Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	Soapstone and clay	102	118	16	
Basalt, hard, black       135       144       9         Clay, sticky       144       147       3         Rock, hard       147       156       9         Rock, broken       156       178       22         Clay, sticky       178       196       18         Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	Rock, broken	118	126	88	
Clay, sticky       144       147       3         Rock, hard       147       156       9         Rock, broken       156       178       22         Clay, sticky       178       196       18         Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	Soapstone	126	135	9	
Rock, hard       147       156       9         Rock, broken       156       178       22         Clay, sticky       178       196       18         Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	Basalt, hard, black	135	144	9	
Rock, broken       156       178       22         Clay, sticky       178       196       18         Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	Clay, sticky	144	147	3	
Clay, sticky       178       196       18         Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	Rock, hard	147	156	9	
Rock, broken       196       212       16         Soapstone and rock, caving       212       215       3         Soapstone       215       222       7         Shale, black and green       222       245       23	Rock, broken	156	178	22	
Soapstone and rock, caving         212         215         3           Soapstone         215         222         7           Shale, black and green         222         245         23	Clay, sticky	178	196	18	
Soapstone         215         222         7           Shale, black and green         222         245         23	Rock, broken	196	212	16	
Shale, black and green 222 245 23	Soapstone and rock, caving	212	215	3	
	Soapstone	215	222	7	
Basalt, black 245 252 7	Shale, black and green	222	245	23	
	Basalt, black	245	252	7	
Basalt, green 252 292 40	Basalt, green	<b>2</b> 52	292	40	
Basalt, broken 292 297 5	Basalt, broken	292	297	5	
Shale, green 297 301 4	Shale, green	297	301	4	
Rock, black, water level rose from 34' to	Rock, black, water level rose from 34' to				
22' below land surface 301 312 11 2	22' below land surface		312	11 Z <sub>h</sub>	
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## Well Log

Owner: Milton F. Martin	Owner's No	). <u>#1</u>	
Driller: Dorin Wilburn	Date Drilled Nov. 1946		
CHARACTER OF MATERIAL	(Feet below From	land surface)	Thickness (feet)
Rock, black, water over top of casing at			
312 feet, 15 gp.m.	312	322	10
Rock, black and sand	322	331	9
Basalt, gr black, broken, large flow of			8.,
water 2,000 g.p.m. 56 lbs head	331	336	5