The original and first copy of this report are to be	L RHOLDEIVEU 23111 2/2/10/19
filed with the	OREGON JUC 2 1 1989 State Well No. 15/ 100/1
STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date SEP * 8 198 Please type (Do not write ab	or print) AUG & I 150 P State Permit No.
of well completion. (Do not write ab	ove this line)
WATEN RESOURCES DEPT.	WATER RESOURCES DEPT.
(1) OWNER: Start Card No. diffen, OREGON	(10) EOLEMIOREOF WELL:
Name CITY OF UNION OR	County UNION Driller's well number # 3
Address UNION OR P.O. Boy 529	NW 14NE 14 Section 19 T. 43 R. 40E W.
97883	Bearing and distance from section or subdivision corner
(2) TYPE OF WORK (check):	TAX LOT # 454019 AB LOT # 200
New Well X Deepening Reconditioning Abandon	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.
(3) TYPE OF WELL: (4) PROPOSED USE (check):	
Rotary 🕱 Driven 🗋 🛛 Domestic 🗇 Industrial 🗇 Municipal 💢	Static level // 6 ft. below land surface. Date 7-26
Dug 🛛 Bored 🗋 Irrigation 🗋 Test Well 🗍 Öther 🗋	Artesian pressure ///A Ibs. per square inch. Date
	CASED CASED
5) CASING INSTALLED: Threaded [] Welded []	(12) WELL LUG: Diameter of well below casing Tommer
16 " Diam from +1 ft. to 393 ft. Gage 1375	Depth drilled 1686 ft. Depth of completed well /686
10 " Diam from 383 rt to 500 ft Gage 1365	Formation: Describe color, texture, grain size and structure of materia
8 " Diam. from 500 ft. to 1686 ft. Gage 1322	and show thickness and nature of each stratum and aquifer penetrativity with at least one entry for each change of formation. Report each change
D PERFORATIONS: Perforated? Z Yes D No.	position of Static Water Level and indicate principal water-bearing stra
	MATERIAL From To SWI
	TOP SOIL 0 2
	BASALT GREY HARD 2 BO
7644 perforations from 1000 ft. to 1273 ft.	DASALT BRU + BRU CLAY BO 155
9884 perforations from 1333 ft. to 1686 ft.	
perforations from ft. to ft.	BASALT RED SOFT ISS ETS BASALT GREY HARD FRAC 275 467
(7) SCREENS: Well screen installed? [] Yes [XNo	CLAY GREEN 467 476
	CLAY RED 476 479
Manufacturer's Name	BASALT BLK + BRN CLAY 479 502
Diam	CLAN GREY GREEN 502 554
Diam Slot size Set_from ft. to ft. to ft. to ft.	BASALT RED + BRN CLAY 554 608
Diam. And Siot size	BASALT BLK SOFT 608 654
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	CLAY GREY 654 668
DRULINE	
Was a pump test made? Wes I No If yes, by whom? CONTRICCON	BASALT BLK + GREY CLAY 673 761
d: /000 gal./min. with 33 ft. drawdown after 6 hrs.	BASPLT BLK & QUARTZ 761 779
1600 " 101 " 18 "	BASALT GREY MED 779 789
" 1922 " 134 " 24"	BASALT BLK + GREY CLAY 789 806
Bailer test gal./min. with ft. drawdown after hrs.	
	BASALT REDIBRY SOFT 824 861
Artesian flow N/A g.p.m. perature of water 69 Depth artesian flow encountered .N./A ft.	Work started JUNE 6 1989 Completed JULY 28 19
superature of water 67 Depth artesian flow encountered	Date well drilling machine moved off of well July 17 19
(9) CONSTRUCTION:	Date well drilling machine moved on or well 102.9 11 19
Well seal-Material used NEAT CEMENT GROUT	Drilling Machine Operator's Certification:
Well sealed from land surface to	This well was constructed under my direct supervision Materials used and information reported above are true to
Diameter of well bore to bottom of seal 20 in. To 6/FT	best knowledge and belief.
Diameter of well bore below seal 10 + A in.	[[Signed] anold S. Johnan Date AUG-11, 19.
Number of sacks of cement used in well seal 270 sacks	(Dulling Machine (Derstor)
Number of sacks of bentonite used in well seal	Drilling Machine Operator's License No. 534
Brand name of bentonite	
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:
	This well was drilled under my jurisdiction and this report
of water	true to the best of my knowledge and belief. Name HOLMAN DRILLING CORP.
•	(Person, firm or corporation) (Type or print)
Did any strata contain unusable water? 🗋 Yes 🔯 No	Address E 3410 9TH AVE SPORANE W
Type of water? depth of strata	1 1 (4) 0
Method of sealing strata off	[Signed] Unald E Jolman PRES.
Was well gravel packed? Yes KNo Size of gravel:	(Water Well Contractor)
Gravel placed from ft. to ft.	Contractor's License No. 2. 7 Date AV 1- 11
Gravel placed from It. to It.	HEETS IF NECESSARY) SHEET 1 OF 3 SP45656

of this report are to be RECENWATER WEL	LREPOBTICUCIVCU
filed with the STATE OF	
STATE ENGINEER, SALEM, OREGON 97310 EP - 8, 1989 (Please type within 30 days from the date	or print) NOU & 1 1303
$\bigcirc \bigcirc $	ove this line. WATER RESOURCES DEPT.
(1) OWNER: Start Card No SALER, OREGON Name City OF UNION ON	(10) LOCATION OF WELL:
(1) OWNER: Start Card No SA1431, OREGON	
Name CITY OF UNION ON	County UNION Driller's well number # 3
Address UNION OR P.O. BOY 529	N KI 14 NE 14 Section 19 T. 45 R. 40E W.
97983	Bearing and distance from section or subdivision corner
(2) TYPE OF WORK (check):	TAY LOT# 454019 A.B. LOT# 200
New Well Deepening Reconditioning Abandon	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 989
Rotary Driven Domestic Industrial Municipal	
Cable 🗍 Jetted 🗌	Static level ft, pelow land surface. Date
Dug 📋 Bored 🗋 🔤 Irrigation 🗋 Test Well 🗍 Other 🛄	Artesian pressure lbs, per square inch. Date
5) CASING INSTALLED: Threaded	(12) WELL LOG: Diameter of well below casing
"Diam. fromft. toft. Gage	
" Diam. from	Depth drilled ft. Depth of completed well
"Diam, from	Formation: Describe color, texture, grain size and structure of materia and show thickness and nature of each stratum and aquifer penetrat
	with at least one entry for each change of formation. Report each change
() PERFORATIONS: Perforated? [] Yes [] No.	position of Static Water Level and indicate principal water-bearing stro
Type of perforator used	MATERIAL From To SWI
Size of perforations in. by in.	GREV BASALT HARD 861 901
perforations from ft. to ft.	GREY CLAY 901 910
perforations from ft. to ft.	BASALT BLK MED 910 988
perforations from	* BARALT BLK-+ RRN SOFT 988 1051 //
	* BASALT BLK SOFT 10511160 110
(7) SCREENS: Well screen installed? Yes No	BASALT REDT GRN CLAY 1160 1174
Manufacturer's Name	3ASALT BLK MED 1174 1267
Type Model No	-* BASALT BUC + RED SUFT 1267 1288 111
Diam	BASALT RED + TAN CLAY 1288 1314
Diam Slot size Set from ft. to ft.	BASALT MED 1314 1339
(8) WELL TESTS: Drawdown is amount water level is	BASALT BLK + RED /TAN CLAY 1359 1369
(6) WHILL HISTS. lowered below static level	* BASALT BLIT SOFT 1369 1389 /16
Was a pump test made? Yes No If yes, by whom?	BASALT GREY HARD 1389 1411
Held: gal./min. with ft. drawdown after hrs.	BASALT BLIX + RED SOFT 1411 1425
······································	BASALT BLK MED 1425 1462
n n N	* BASALT BLK + RED SOFT 1462 1529 110
Bailer test gal./min. with ft. drawdown after hrs.	BASALT GREY HARD 1529 1563
	ASALT BLK ARED SOFT 1563 1593 1/6 BASALT BLK HARD 1593 1/624
Inperature of water Depth artesian flow encountered	Work started 19 Completed 19
(9) CONSTRUCTION:	Date well drilling machine moved off of well 19
	Drilling Machine Operator's Certification:
Well seal-Material used	This well was constructed under my direct supervision
Diameter of well bore to bottom of seal in.	Materials used and information reported above are true to r best knowledge and belief.
Diameter of well bore below seal in.	
Number of sacks of cement used in well seal	[Signed]
Number of sacks of cement used in well seal	Drilling Machine Operator's License No.
Brand name of bentonite	
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:
of water	This well was drilled under my jurisdiction and this report
Was a drive shoe used? Ves No Plugs	true to the best of my knowledge and belief.
Did any strata contain unusable water? 🗌 Yes 🗋 No	Name
	Adress
Type of water?	Address
Method of sealing strata off	[Signed]
Was well gravel packed? Ves No Size of gravel:	······································
	Contractor's License No
Gravel placed from ft. to ft.	Contractor's License No Date, 19_ EETS IF NECESSARY) SHEET 2 OF 3 SP*45656

The original and first copy TEUEIV WATER WELI of this report are to be	L REPORT UEIVED
state ENGINEER, SALEM, OREGON \$7510 - 8 1989 (Please type of within 30 days from the date	OREGON State Well No.
within 30 days from the date of well completion. WATER RESOURCES DEPT.	
DATEM GUERINAN	(10) LOCHENOURCES DEPT.
	County UNION Driller's well number # 3
Name CITY OF UNION OR. Address UNION OR POROX 529	NW 14 NE 14 Section 19 T. 45 R. 40E W.M.
Address UNIAN OR FOLKOY DCY	Bearing and distance from section or subdivision corner
(2) TYPE OF WORK (check):	Tax LOT # 454019 AB LOT # 200
New Well Depending D. Reconditioning D. Abandon D.	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 988 ft.
Rotary Driven Domestic D Industrial Municipal	Static level //6 ft. below land surface. Date 7-74-8
Cable Differ Dug Bored Bored Inrigation Test Well Other	Artesian pressure $A//A$ Ibs. per square inch. Date
(5) CASING INSTALLED: Threaded D Welded D	(12) WELL LOG: Diameter of well below casing 70 7, 0.
"Diam, fromft_ toft_ Gage	Depth drilled 1686 ft. Depth of completed well 1686 ft.
". Diam. from	Formation: Describe color, texture, grain size and structure of materials;
" Diam. from	and show thickness and nature of each stratum and aquifer penetrated.
TO PERFORATIONS:Perforated? Yes No.	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.
<u> </u>	MATERIAL From To SWL
Type of perforator used	# BASALT RED SOFT 1624 1648 116
Size of perforations in. by in perforations from ft. to ft.	BASALT BLE MED 1648 1686
perforations from	
perforations from ft. toft.	
(7) SCREENS: Well screen installed? Yes INO	· · · · · · · · · · · · · · · · · · ·
Manufacturer's Name	
Type	* INDICATES WATER BEARING ZONE
Diam	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	*
Was a pump test made? My Yes I No 14 yes, by whom? CHARACTOR	
weld: 1000 gal./min. with 33 ft. drawdown after 6 hrs.	
" 1600 " 101 " 18 "	
" 1928 " 134 " 24 "	
Bailer test gal./min. with ft. drawdown after hrs.	
Artesian flow N/A g.p.m.	
inperature of water 69 Depth artesian flow encountered M./A	Work started JUNE 6 1989 Completed JULY 28 198
(9) CONSTRUCTION:	Date well drilling machine moved off of well July 17 198
	Drilling Machine Operator's Certification:
Well sealMaterial used	This well was constructed under my direct supervision
Well sealed from land surface to ft. Diameter of well bore to bottom of seal in.	Materials used and information reported above are true to m best knowledge and belief.
Diameter of well bore below seal	[Signed] anold E Johnan Date AUG- 11, 198
Number of sacks of cement used in well seal	(Drilling Machine Operator)
	Drilling Machine Operator's License No. 534
Number of sacks of bentonite used in well seal	1 A Strend Strend Line Line Line Strend Str Strend Strend Stre
Number of sacks of bentonite used in well seal	Water Well Contractor's Certification:
Brand name of bentonite	Water Well Contractor's Certification: This well was drilled under my jurisdiction and this report is
Brand name of bentonite	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Brand name of bentonite	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Name HOLMAN DRILLING CORP
Brand name of bentonite	This well was drilled under my jurisdiction and this report i true to the best of my knowledge and belief. Name <u>HOLMAN DRILLING</u> CORP (Person, firm or corporation) (Type or print)
Brand name of bentonite	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Name <u>HOLMAN DRILLING</u> CORP (Person, firm or corporation) (Type or print) Address E 3410 94H AUE SPOKAKE WA
Brand name of bentonite Number of pounds of bentonite per 100 gallons of water lbs./100 gals. Was a drive shoe used? Yes in No Plugs Did any strata contain unusable water? Yes in No Type of water? depth of strata Method of sealing strata off '	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Name <u>HCL MAN</u> <u>DRILLING</u> <u>CORP</u> (Person, firm or corporation) (Type or print) Address <u>E3410</u> 9711 AUE SPAKANE WA [Signed] <u>Churled</u> <u>E</u> Holman PREV.
Brand name of bentonite	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Name <u>HOLMAN</u> <u>DRILLING</u> <u>CORP</u> (Person, firm or corporation) (Type of print) Address <u>E3410</u> <u>97H</u> <u>AUE</u> <u>SPAKAKE</u> <u>WA</u>

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