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STATE	WELL	NO.	4/39	-11H1
COUNT	Υ	UN	IION	
A DDT TO				

Salem, Oregon 236			TION NO.	
OWNER: W. H. Woodruff	MAILING ADDRESS: .			
LOCATION OF WELL: Owner's No	CITY AND STATE:	*************************	·	*********
N. E. S., R. W.,	W.M.	·		
Bearing and distance from section or subdivision				
corner		-		

Altitude at well2,718				
TYPE OF WELL: Drilled Date Constructed 195	0			
Depth drilled 337 482 Depth cased	••••	Section	***************************************	
CASING RECORD:			And the second s	
14 inch				
IT IIICII				
		•		
FINISH:				
AQUIFERS:				
Gravel, pea-sized, and sand from 310	to 337			
WATER LEVEL:				
Flows	-			
PUMPING EQUIPMENT: Type Turl	oine		H.P.	
PUMPING EQUIPMENT: TypeTurl Capacity 3000 G.P.M.				
WELL TESTS:	1			
Drawdown ft. after				
Drawdown ft. after	nours			G.P.M.
USE OF WATER Irrigation, stock	Temp	°F		, 19
SOURCE OF INFORMATION USGS DRILLER or DIGGER				
ADDITIONAL DATA:				
LogX Water Level Measurements	. Chemical An	alysis	. Aquifer Test	

Pumped 1,150 gpm, drawdown 65 ft; 3,000 gpm, drawdown 95 ft. Flows 60 gpm.

Requires 2 weeks for artesian flow to return after pumping for 30 days.

State Well No. 4/39-IIHI
County Union
Application No

Chemical Analysis

OWNER W. H. Woodruff	OWNER'S NO	OWNER'S NO.		
ANALYST USGS	Address Portland, Orego	on		
Date of Collection 8/22/57				
Point of Collection				
	P.P.M.	E.P.M.		
Silica (SiO ₂)	34			
Iron (Fe) Total	.00			
Manganese (Mn)	.03			
Calcium (Ca)	11			
Magnesium (Mg)	4.3			
Sodium (Na)	25			
Potassium (K)	4.2	·		
Bicarbonate (HCO ₃)	104			
Carbonate (CO _s)	0			
Sulfate (SO4)	7.4			
Chloride (Cl)	8.8			
Fluoride (F)	.3			
Nitrate (NO ₈)	•4	ŧ		
Boron (B)	·			
	·			
Dissolved Solids	146			
Hardness as CaCO _s	45			
Specific Conductance (Micromhos at 25°C)	207			
pH	8.0			
Percent Sodium				
Sodium Absorption Ratio (S.A.R.)	1.6			
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St	ate Printing 89313			

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Well Log

Owner: W. H. Woodruff	Owner's No			
Driller: Charles Moore	Date Drilled 1951			
CHARACTER OF MATERIAL	(Feet below.)	and surface) To	Thickness (feet)	
Alluvial fan deposits:				
Soil, brown	0	3	3	
Gravel and clay, hard, tan	3	26	23	
Sand, gravel, and clay, tan	26	32	6 -	
Sand and clay, tan	32	38	6	
Gravel, pea-sized, and clay, tan	38	50	12	
Gravel, cemented, tan	50	54	4	
Sand and clay, tan	54	56	2	
Gravel, cemented, tan	56	68	12	
Clay and sand, tan	68	70	2	
Gravel, cemented, tan	70	80	10_	
Gravel and clay, tan	80	90	10 -	
Clay and sand, tan	90	96	6	
Gravel and clay, tan	96	121	25	
Clay and sand, sticky, tan	121	141	20	
Clay and gravel, tan	141	158	17	
Clay, sand, and gravel	158	189	31	
Sand and clay, blue	189	196	7	
Clay and gravel, sticky, blue	196	204	8_	
Sand, fine, and clay, blue	204	222	18	
Clay and gravel (static water level 1 ft.)	222	227	5_	
Clay and sand, blue	227	242	15	
Clay and gravel (static water level 1 ft.)	242	245	3_	
Sand, hard, and clay, blue	245	258	13_	

(Continued)

State	Well No.	4/39-11H1
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Appli	cation No	• =============

Well Log

· · · ·	Owner's					
- 	Driller:	Date Drille	d	****************		
	CHARACTER OF MATERIAL	(Feet below !	and surface) To	Thickness (feet)		
	Clay, sticky, blue	258	270	12		
w see shake we . W	Sand and clay, packed, blue	270	283	13		
	Clay, sticky, blue	283	298	15		
	Clay and sand, blue	298	309	11		
	Sand, blue	309	310	1		
Mark Linds of Marks of North Co	Gravel, pea-sized, and sand, blue	310	337	27		
 						
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