

# WALLANDER SALE

Application	No. U_159
Permit No.	150
Well No	× 2

### REPORT ON COMPLETION OF WELL

(Note: This report should be submitted to the State Engineer, Salem, Oregon, as soon as possible after the well is completed. If more than one well is covered by this permit, a separate report shall be filed for each)

		Date of Report Octob	per 10,	_, 19 <b>3</b> 45
2. 3. 4.	Location of well: SE 4 of NW 4 of Name of nearest natural surface strea Distance from well to that stream: If the well is less than 1300 feet fr ference in elevation between the grou in stream channel:  Date of beginning drilling or digging Date well was completed	m Walla Walla River 1,500 feet om a natural surface s nd surface at the well	stream, give	the dif-
7.	LOG OF MATE	RIALS ENCOUNTERED		
		Depth at which	Thickness	s of
	Character of Material	<pre>encountered</pre>	stratu	
	Gravel	At surface		ft.
	Gravel (cement)	~ 28 ft.		12 ft.
	Black Basalt	70 ft.		146 ft.
	Brown Rock	216 ft.		1/4 ft.
	Black & Brown Basalt	230 ft.		331 ft.
	Gray Basalt	561 ft.	•	93 ft.
	Black & Gray Basait	654 ft.		67 ft.
	Brown Basalt	721 ft.		40 ft.
	Red & Gray Rock	761 ft.		4 ft.
	Remarks: Black & Gray Basalt	765 - 9021		137 ft.
	Remarks: 902 total depth of well.	From 230' - <b>9</b> 02' statj	ic water Leve	el was 105'
9.	Diameter of well in Depth at which water was first encount Water level when completed:	05 feet l	230 pelow ground	feet. feet. surface.
11.	Additional information regarding well caves, obstructions, rock, etc.: Wa with water level 17' 6" below ground	; such as soil condit:	ions, quick	sand,
	caves, obstructions, rock, etc.: Wa	ter first encountered	at 57' dept	n of well
	with water level 17' 6" below ground	Tevel. Cased out, cas	sing extendir	ng to a
	depth of 99'.			
				<del></del>

## **UMAT 3962**

## PUMP INFORMATION

13.	Address:
14.	Data on name or base plate: Serial No. 24875 Bottom bowls 260' column Size 12" MA. Stage 10 Type head 14B Suction 10" Standard. Size discharge 10" Std.
1 =	Data on pump bowl assembly:
ro.	Data on pump bowl assembly:
16.	Size of pump: 12" MA
17.	Rated capacity: 1.000 gallons per minute.
18.	Rated capacity: 1.000 gallons per minute.  Rated speed: 1.800 RPM revolutions per minute.
19.	Number of stages: 10
	Size of intake pipe: 12
21.	Size of discharge pipe: 10"
22.	Length of intake pipe: 260' (Column)
23.	Length of discharge pipe: 30!
24.	Length of intake pipe: 260' (Column)  Length of discharge pipe: 30'  Suction lift: (difference in elevation between water surface in well and pump)  170'  Discharge lift: (difference in elevation between pump and end of discharge line
25.	Discharge lift: (difference in elevation between pump and end of discharge line
_	Pumping against 65 lb. main pressure.  Depth of pump intake below ground surface: 260' feet.
26.	Depth of pump intake below ground surface: 260' feet.  Remarks:
	MOMOR OR ENGINE THEORIGANIANTON
	MOTOR OR ENGINE INFORMATION
00	Name of managements and the Control of the Control
28.	Name of manufacturer: U.S. Electric
29.	Address: Los Angeles, Calif.
	Type of motor or engine: C. F. U.
77	Data on name or base plate: Serial No. 49¢345. HP - 125. RPM - 1800.
от•	Date on name of base plate: Serial No. 49¢343., nP - 125., RPM - 1800
	Frame 984A., Volts 2300., Phase 3., Cycle 60.
52.	Rated horsepower: 125
33.	Rated speed of motor or engine: 1800 revolutions per minute.
34.	Rated Capacity of Pump
	(with described motor) 1000 g.p.m. at 400 ft. head
	g.p.m. at ft. head
	g.p.m. at ft. head
	g.p.m. atft. head
	g.p.m. atft. head
35.	Remarks:
- •	

5N/35-12 F/2/ UMATILLA \*2

## CAPACITY TEST

36.	Date of test:	9-21-45	37.	Temp	erature	of wate	er <u>55</u>	_of. or_	°c.	
<b>58.</b>	Motor speed du Test made by (	ring test:	1780 & 1785		68 Unifi	ioe o	o d bre	nted.		•
59.	rest made by (	weir, tank or	Other means)	•	O" OPIL	LCB - C	BLLDE			•
40.	Pounds TOTA	L HEAD	*Total lift		Gallons	OFcet	to	o Draw-	+Time	•
	pressure		in feet		per min.	water	level			
	101 lbs., Gaug	e at pump Tot		in.	986	107	$_{ m ft}.$	71 ft.	11:30 M	A .M
	lbs. Gaus	ge at pump Tot	al ft.	in.			ft.	ft.	м.	,
	60 lbs., Gaug	e at pump Tot	al 195 ft.	- 1	1135	107	ft.	gg ft.	11:40A M.	,
	lbs. Gaus	ge at pump Tot	al ft.	in.			ft.	ft.		
	100 lbs., Gaug	e at pump Tot	al 172 ft.	in.	990	107	ft.		1.30P.M.	)
	lbs., Gaug	e at pump Tot	alft	in.			ft.	ft.		
	lbs., Gaug	e at pump Tot	alft	in.			ft.	ft.		
	lbs., Gaug	ge at pump Tot	alft	in.			ft.	ft.		
		ge at pump Tot	:alft	in.		<u> </u>	ft.			
		ge at pump Tot	alft	in.		<u> </u>	ft.	ft.		
		ge at pump Tot		in.		<u> </u>	ft.	ft.		
		ge at pump Tot	alft	in.		<b> </b>	ft.	ft.		
		ge at pump To		_in.		<del> </del>	ft.	ft.		
		ge at pump To				<b></b>	ft. ft.			
		ge at pump To		_		<del> </del>	ft.	ft		-
		ge at pump Tot		_in.	<u> </u>	-	ft.	ft	_	
	Ibs., Gaug	ge at pump To	talft	_in.	L	<u> </u>	<u>-</u> - 0 •	<b></b>	• [	•
42.	Distance wat Hour and min Installation water is disch	nute at which will work effinarged into:	observation iciently under	r non	made. Mmal head	of _/		ft.	1	<del>-</del> 
	43. Was water lowered to pump intake by test? <u>Drawn down to depth of 1789</u> 44. Remarks: While running only. Returned to 107' static level when stopped.									
			GENERAL I							
45.	Name of contra	actor or othe	r party who d Address:	rill Wal	ed or dug La Walla	g well: . Wash	A.A	Durand	& Son	_
46.	Pump and moto: B.M.Kunes	r werd instal Address: P	led by: A. A. eerless Pump	Dur Co.	and & Sor Los Ange	under Les Cal	super	cvision	of	
	Capacity test	was made by:		nes.	Peerless	s Pump	Co.			_
48.	General remar									-
	· · · · · · · · · · · · · · · · · · ·									
										<del></del>
								· · ·		-
				Repo	rt made l	оу	(04)	n here)		
							101	211 110101		

### STATE ENGINEER Salem, Oregon

### **UMAT 3962**

State V	Vell 1	No.	5N	/35-	12 F(	2
County			•			

Application	No.	***************************************

## Water Level Record

OWNER:	MILTON	FREEWATER	OWNER'S NO.	<b>*</b>	2	
Description	of measuring po	int:	••••			

1	Water Level				Water Level		
Date	Feet (ahers) (below) Land Surface	DATE	WATER	Date	Feet (sheet) (below) Land Surface	DATE	WATER
9-21-45	105	11- 55	140	10 - 58	152	2-62	167
9-17-51	132	12	140	3-59	142	3	167
3- 54	138	1 - 56	140	5	152	6	182
4	138	2	142	7	170	8	187
5	135	3	140	8	165	1,2	183
2	147	5	144	12	165	1 - 63	176
7	155	6	155	2-60	175	2	178
9	136	7	164	4	160	3	176
10	132	8	15.5	6	175	4	172
11	135	10	160	7	184	6	197
12	148	10 - 57	163	11	173	8	202
1 - 55	136	//	160	12	170	9	203
2	133	12	158	1-61	168	11-18	185
3	134	4 - 58	165	3	165	12-21	180
4	134	5	166	6	180	1-20-64	178
5	150	7	170	7	175	2-24	115
ما	147	8	165	11	170	3-17	175
9	142	9	165	1- 62	. 169	4-27	170

UPMUVV.

### **UMAT 3962**

State	Well	No.	51	/35	-	/aF	(2)

tion of measur	Water 1		OWNER'S NO	·
Water Leve Feet (chart (pelov Land Surface	el Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
64 172				
180				
195				
194				
194				
188				
182				
			· 5	
1				.,
		- 11	1	

### STATE ENGINEER Salem, Oregon

## **UMAT 3962**

State Well No	. 21.32-1484	
County Um	atilla	

Application No.

## Chemical Analysis

OWNER City of Milton-Freewater	, OWNER'S NO	2
ANALYST USGS	Address	
Date of Collection Nov. 18, 1946	· · · · · · · · · · · · · · · · · · ·	
Point of Collection		
	Р.Р.М.	E.P.M.
Silica (SiO <sub>2</sub> )		
Iron (Fe) Total	0.0	
Manganese (Mn)		
Calcium (Ca)	17.	
Magnesium (Mg)	7.4	
Sodium (Na)	33.	
Potassium (K)		
Bicarbonate (HCO <sub>s</sub> )	104.	
Carbonate (CO <sub>3</sub> )		
Sulfate (SO <sub>4</sub> )	9.9	
Chloride (Cl)	5.8	
Fluoride (F)	0.3	
Nitrate (NO <sub>s</sub> )	0.2	
Boron (B)		
Dissolved Solids	106.	
Hardness as CaCO,	73.	
Specific Conductance (Micromhos at 25°C)	18.	·
pH		
Percent Sodium	30.	
Sodium Absorption Ratio (S.A.R.)		
CLASS		

## Umatilla

Oregon State Board of Health

## CANITARY ENGINEERING LABORATORY

### REPORT OF MINERAL ANALYSIS OF WATER

is by MP Date 17/17/53 Collec	ted by		#:	Date	6/25/5
ADSULTS '			,		
Thomas Side		ioneren C	William .	-	
Turbidity		-		no de	
Color: Apparent	Cold				
Odor: Hot	-	3/57	· · · · · · · · · · · · · · · · · · ·	Non-State	
Total Solids		****			
Loss on Ignition		63,			
Silicon (SiO <sub>2</sub> )					·
Chloride (C1)			3		
Sulfate (504)			<b>5</b>		•
Calcium (Ca)		<del></del>	<del></del>		
Magnesium (Mg)		20		<del></del> :	
History Built Committee of English of Market Committee of the Committee of	lake military a seminada birtanye esa	************			
Metaphosphates (PO <sub>3</sub> ) <sub>6</sub>					
Alkalinity (as CaCO <sub>3</sub> ); Carbonate	771117 <b>77111111</b>	<u> </u>			
Bicarbonate_		<u> </u>		<u>.</u>	
Hardness (as CaCO <sub>3</sub> )					
Sodium 1000FARMARICAN (as Na)		22		· ·	
Iron (Fe)		*********	15	*	
Manganese (Mn)	MCCCCATTL & June			. ,	
Fluoride (F)	Fits+=== 24+ <del>a.b.Ween</del>	······································	3 :	-	
Carbon Dioxide (CO <sub>2</sub> )	<del>, , , , , , , , , , , , , , , , , , , </del>	2.	3		
рН 7.9					
Remarks	· ·		· · · · · · · · · · · · · · · · · · ·		