Application No. U-349 Permit No. U-324
Well No. Hinkle

41/28-2711 27 dac

## REPORT ON COMPLETION OF WELL

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(Note: This report should be submitted to the State Engineer, Salem, Oregon, as soon as possible after the

IK IS I	well well	is completed. If	more than one	well is covered by	
		permit, a separat	e report shall	be filed for each)	
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STA	ENGINEER		Date of Report	t July 28, 1950	
SAL	EM: OREGON			-	
1.	Location of well: 1	IEL SEL of	Section 27	Twp. 4N Rge. 28E, W.	M
2.	Name of nearest natu	ral surface stream	n Umatilla R	var	)Lie
3∙	Distance from well t	o that stream:	1500	feet.	
4.	If the well is less	than 1300 feet from	om a natural s	irface stream, give the	
	difference in elevat	ion between the g	round surface	at the well and the	
	lowest point in stre	am channel:	110 feet.	20 0110 MOTT GIIC DIIC	
5.	Date of beginning dr	illing or digging	January 15.	1950	
6.	Date well was comple	ted June 2	1. 1950	•	
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7.		LOG OF MATER	LALS ENCOUNTERÎ	ਰਨ <sup>-</sup>	
\			Depth at which		
	Character of Mater		encountered	stratum	
	Silty Sand		t surface	31 ft.	
	Gravel & Sand		31 ft.	124 ft.	
	Blue Clay & Broken F	lock	155 ft.	45 ft.	
	Gray Clay		200 ft.	20 ft.	
	Green Gumbo		220 ft.	25 ft.	
	Basalt		245 ft.	173 ft.	
	Blue Shale		418 ft.	5 ft.	
	Basalt		423 ft.	124 ft.	
	Remarks: See RE Dwg	. No. 533 - Log of	Well	Live 200	
	_				
		WELL	INFORMATION	-	
8.	Diameter of well 16"	& 12½" inches. I	epth of well	547 feet.	
9.	Depth at which water	was first encount	ered 147	feet.	
10.	Water level when com	pleted: 155	feet below	ground surface.	
11.	Additional informati	on regarding well;	such as soil	conditions, quick sand,	
	caves, obstructions,	rock, etc.: Nec	essarv to carr	v 20" surface nine to	
	depth of 264 feet du	ring drilling oper	ations in orde	er to hold caving sand	
ليضيق	and gravels.				
		PUMP	INFORMATION		
12.	Manufacturan of week	. Bodankonia 35	- A		
13.	Manufacturer of pump Address: Chic	: Fairbanks Mor	se co.		
14.	Deta on name on base	ago, lilinois	\$T		
15.	Data on name or base Data on pump bowl as	prace: Serial	. NO. PL 4156		
16.		sembly: None inch			
17.	Rated capacity:		James and and and		
		THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER. THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	lons per minut		
19.	Number of stages: \	7 rev	olutions per m	inute.	
20.	Size of inteke nine.				

## **UMAT 2586**

	21.	"Size of discharge pipe: 8 inch
	22.	Length of intake pipe: 216 Feet
	23.	Length of discharge pipe: 205 Feet
	24.	Suction lift: (difference in elevation between water surface in well and pump) 155 feet
•	25.	Discharge lift: (difference in elevation between pump and end of discharge line) 72 feet
	26.	
		Depth of pump intake below ground surface: 216 feet.  Remarks: Bee RE Dwg. 533 - Pump details
		MOTOR OR ENGINE INFORMATION
_	28.	Tame of the state
	29.	Address: Chicago, Illinois
7	30.	Type of motor or engine: Electric Induction Motor
	31.	Data on name or base plate: 50 HP. 3 Phase, 60 Cycle 1/10 Volt 61 Amp
		Type Ozhv, France 2000 PV. Serial No. 589560. RM No. HATTORRAT
_		SU NO. PL 4156
	32.	
-01	33•	Rated speed of motor or engine: 1750 revolutions per minute.
	34•	nated Gapacity of Pimp
		(with described motor) - 600 g.p.m.
	35.	Kemarks: Motor is direct connected to numb howls by means of an ail
		lubricated drive shaft.
		CAPACITY TEST
		.au.
	36. 38.	Date of test: May 6, 1950 37. Temperature of water OF. or Motor speed during test: 1750 RPM
	39•	lest made by (Welr, tank or other means); orifice with free discharge
	40.	Total lift Gallons oFeet to Draw-
		in feet per min. water level down
منطقتي		165 ft. 1000 163 ft. 7 ft.
		165 ft. 1150 163 ft. 10 ft.
	41.	Installation will work efficiently under normal head of 275 ft.
	42.	Water is discharged into: 350,000 gallon elevated water tank.
	43.	Was water lowered to pump intake by test? No
	44.	Remarks: Well pumped at 1000 GPM for 6 hrs. 20 min. well pumped at 1150 GPM
	-7-4-	for 1 hr. 5 min.
		GENERAL INFORMATION
	45.	Name of contractor or other nexts the deall of the last of the las
	マノキ	Name of contractor or other party who drilled or dug well: A.A. Durand & Son Address: Walla Walla, Wash.
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46. Pump and motor were installed by: Union Pacific Railroad Company

47. Capacity test was made by: Union Pacific Railroad Company

48. General Remarks: Chemical analysis of water reveals safe for drinking and domestic use and satisfactory for use in boilers. Total incrusting solids 6.31 g.p.g. Total non-incrusting solids 7.10 g.p.g.

Report Made By:

General Manager

OREGON-WASHINGTON RAILROAD & NAVIGATION COMPANY-UNION PACIFIC RAILROAD COMPANY