

RECEIVED

5N/35 -12 G(1)  
UMATILLA

AUG 17 1944

Rogers Conning Co

STATE ENGINEER  
SALEM, OREGON

Application No. U-157  
Permit No. U-151  
Well No. Milton #1

UMAT  
3963

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 August 10, 1944

1. Location of well: SW $\frac{1}{4}$  of the NE $\frac{1}{4}$  of Section 12 Twp. 5 Rge. 35, W. M.
2. Name of nearest natural surface stream Walla Walla River
3. Distance from well to that stream: ✓ 703 feet.
4. If the well is less than 1300 feet from a natural surface stream, give the difference in elevation between the ground surface at the well and the lowest point in stream channel: same elevation feet.
5. Date of beginning drilling or digging February 5, 1944
6. Date well was completed April 20, 1944

7. LOG OF MATERIALS ENCOUNTERED

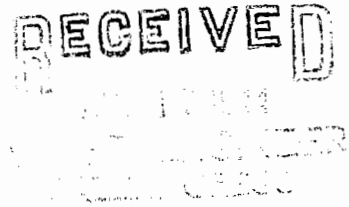
Character of Material	Depth at which encountered	Thickness of stratum
	At surface	ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.

Remarks: (See attached list)

WELL INFORMATION

8. Diameter of well 16 inches. Depth of well 702' 6" feet.
9. Depth at which water was first encountered 16 feet.
10. Water level when completed: 117 feet below ground surface.
11. Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.: Caving at 48' and 182'

5N/35-126(1)  
UMATILLA CO



PUMP INFORMATION

- 12. Manufacturer of pump: Pomona Pump Company
- 13. Address: Pomona, California
- 14. Data on name or base plate: \_\_\_\_\_
- 15. Data on pump bowl assembly: \_\_\_\_\_
- 16. Size of pump: 8"
- 17. Rated capacity: 1200 gallons per minute.
- 18. Rated speed: \_\_\_\_\_ revolutions per minute.
- 19. Number of stages: 5
- 20. Size of intake pipe: 8"
- 21. Size of discharge pipe: 8"
- 22. Length of intake pipe: 300' of column with 10' of suction and strainer
- 23. Length of discharge pipe: Direct to cannery water system
- 24. Suction lift: (difference in elevation between water surface in well and pump)  
no lift
- 25. Discharge lift: (difference in elevation between pump and end of discharge line)  
140'
- 26. Depth of pump intake below ground surface: 300 feet.
- 27. Remarks: \_\_\_\_\_

MOTOR OR ENGINE INFORMATION

- 28. Name of manufacturer: Westinghouse
- 29. Address: Pittsburgh, Pennsylvania
- 30. Type of motor or engine: Induction
- 31. Data on name or base plate: Frame 607Y H.P. 125 Phase 3 Volts 220  
Amps. per Terminal 296 R.P.M. at FL 1780 Cont. Rating FL 40° Centigrade rise
- 32. Rated horsepower: 125 H.P.
- 33. Rated speed of motor or engine: 1780 revolutions per minute.

34. Rated Capacity of Pump (with described motor)	<u>1200</u> g.p.m. at <u>300</u> ft. head
	_____ g.p.m. at _____ ft. head
	_____ g.p.m. at _____ ft. head
	_____ g.p.m. at _____ ft. head
	_____ g.p.m. at _____ ft. head

- 35. Remarks: \_\_\_\_\_



UMAT 3963

5N/35-126(1)

LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered	Thickness of stratum
Gravel	At surface	21 ft.
Cement Gravel	21 ft.	to 47 ft.
Rock	47 ft.	to 50 ft.
Black Basalt	50 ft.	to 57 ft.
Gray Basalt	57 ft.	to 65 ft.
Black Basalt	65 ft.	to 132 ft.
Brown Basalt	132 ft.	to 167 ft.
Black Basalt	167 ft.	to 182 ft.
Brown & Black Basalt Honeycombed	182 ft.	to 185 ft.
Black Basalt	185 ft.	to 203 ft.
Brown & Black Basalt	203 ft.	to 255 ft.
Black Basalt	255 ft.	to 395 ft.
Gray Basalt	395 ft.	to 401 ft.
Black Basalt	401 ft.	to 508 ft.
Gray Basalt	508 ft.	to 521 ft.
Black Basalt	521 ft.	to 536 ft.
Gray Basalt	536 ft.	to 569 ft.
Black Basalt Honeycombed	569 ft.	to 584 ft.
Black Basalt	584 ft.	to 622 ft.
Gray Basalt	622 ft.	to 639 ft.
Black Basalt	639 ft.	to 702 ft 6"