

UMAT 4357

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6N/35-21B(2)

UMATILLA

NOV 11 1949  
STATE ENGINEER  
SALEM, OREGON

Application No. U 224  
Permit No. U -207  
Well No. \_\_\_\_\_

W.C. Ellis

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 \_\_\_\_\_, 19\_\_\_\_

1. Location of well: NW<sup>4</sup> & NE<sup>4</sup> of Section 21 Twp. 10N Rge. 35E W. M.
2. Name of nearest natural surface stream: Mid Creek Middle Br.
3. Distance from well to that stream: 609 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 level feet.
5. Date of beginning drilling or digging: 1896
6. Date well was completed: Dec-1946 - pumping plant installed - 6-1-49

LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered	Thickness of stratum
<u>Gravelly</u>	At surface	ft.
<u>(30' Dug Well)</u>	30 ft.	30 ft.
<u>Cement Gravel</u>	35 ft.	5 ft.
<u>Gravel</u>	87 ft.	52 ft.
<u>Gravel &amp; clay mixed</u>	140 ft.	53 ft.
<u>Gravel</u>	152 ft.	12 ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.

Remarks: \_\_\_\_\_

WELL INFORMATION

8. Diameter of well and 180' - 8" inches. Depth of well 370 feet.
9. Depth at which water was first encountered: approx 25 ft. feet.
10. Water level when completed: 25 feet below ground surface.
11. Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.: mostly gravel formation down for approx 200 ft. then about 60 ft. of blue clay - then gravel the rest of way

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6N/35-218(2)  
UMATILLA

NOV 15 1949  
STATE ENGINEER  
SALT LAKE CITY

PUMP INFORMATION

- 12. Manufacturer of pump: Fairbanks-Morse
- 13. Address: Portland, Ore.
- 14. Data on name or base plate: Fairbank model

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- 15. Data on pump bowl assembly: Serial # 14846 7 stage 8 MC

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- 16. Size of pump: 8" MC
- 17. Rated capacity: 440 gallons per minute.
- 18. Rated speed: 1760 revolutions per minute.
- 19. Number of stages: 7
- 20. Size of intake pipe: 6"
- 21. Size of discharge pipe: 6"
- 22. Length of intake pipe: 10'
- 23. Length of discharge pipe: 3'
- 24. Suction lift: (difference in elevation between water surface in well and pump) 130'
- 25. Discharge lift: (difference in elevation between pump and end of discharge line) none
- 26. Depth of pump intake below ground surface: 158' feet.
- 27. Remarks: \_\_\_\_\_

MOTOR OR ENGINE INFORMATION

- 28. Name of manufacturer: A.C. Smith
- 29. Address: Los Angeles, Calif.
- 30. Type of motor or engine: Vertical Hollow Shaft

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- 31. Data on name or base plate: 20 H.P. 1760 R.P.M. V.H.S. 3/60/220-440 with non-reverse clutch

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- 32. Rated horsepower: 20
- 33. Rated speed of motor or engine: 1760 revolutions per minute.

34. Rated Capacity of Pump (with described motor)

<u>440</u>	g.p.m. at	<u>130</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: \_\_\_\_\_

