

UMAT
4309

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JUL 11 1951

STATE ENGINEER
SALEM, OREGON

Application No. U 388

Permit No. U -358

Well No. _____

W. W. Ward
Umopin.

REPORT ON COMPLETION OF WELL

6N/35-19N2

UMATILLA

(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 March 14, 1951
SW4

1. Location of well: E2SW4SW4+W2S6 of Section 19 Twp. 6N Rge. 35, W. M.
2. Name of nearest natural surface stream Dry CREEK (Johnson Creek - Pit.)
3. Distance from well to that stream: _____ 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: _____ feet.
5. Date of beginning drilling or digging: March 20 1950
6. Date well was completed: April 10 1950

LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered	Thickness of stratum
<u>Loam</u>	<u>At surface</u>	<u>1</u> ft.
<u>Gravel Loam</u>	<u>1</u> ft.	<u>1</u> ft.
<u>Coarse Gravel</u>	<u>2</u> ft.	<u>10</u> ft.
<u>Gravel oxidized iron</u>	<u>10</u> ft.	<u>6</u> ft.
<u>Cement Gravel</u>	<u>16</u> ft.	<u>11</u> ft.
<u>Open Gravel with water</u>	<u>27</u> ft.	<u>6</u> ft.
<u>Cement Gravel</u>	<u>33</u> ft.	<u>7</u> ft.
<u>Open Gravel with water</u>	<u>41</u> ft.	<u>4</u> ft.
<u>Cement Gravel oxidized iron</u>	<u>45</u> ft.	<u>30</u> ft.

Remarks: Continued forward on separate sheet

WELL INFORMATION

8. Diameter of well 8 inches. Depth of well 203 feet.
9. Depth at which water was first encountered 27 feet.
10. Water level when completed: _____ feet below ground surface.
11. Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.: _____

This is an extension of well - under
Permit # 4-271

Log of Materials encountered
of Material at which

		Thickness (feet)
open Gravel with water	75	
water bearing gravel	89	12
cement gravel high cement content	99	11
water bearing gravel	132	33
fairly soft cement gravel	136	4
gravel showing some cement	148	12
Cement gravel	152	4
gravel showing some cement	170	18
cement gravel	182	12
gravel showing some cement	196	14
clay cont. g. some gravel	198	2
gravel showing a little water	200	2
		3

6N/35-19N(2)

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JUL 1 1935
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SALEM, OREGON

PUMP INFORMATION

- 12. Manufacturer of pump: Fairbanks Morse & Co Price Turbine Pump
- 13. Address: Chicago Illinois
- 14. Data on name or base plate: Branch Order 8487 - Factory Order 28765
Head No A 204K - 1800 RPM Size & Type 7-718F
- 15. Data on pump bowl assembly: 8 Stages Dia. of type Column 5 in ID & T Depth column 70 ft
17 in 8 stage Fig 6920
Brass fitted
- 16. Size of pump: 10 Horse Power
- 17. Rated capacity: 220 gallons per minute.
- 18. Rated speed: 1750 revolutions per minute.
- 19. Number of stages: 8
- 20. Size of intake pipe: 5 in. perforated pipe
- 21. Size of discharge pipe: 4 inch
- 22. Length of intake pipe: 5 ft.
- 23. Length of discharge pipe: Sprinkling system mainline 630 ft. 4 in pipe
- 24. Suction lift: (difference in elevation between water surface in well and pump) Very soft varied from 25' to 75' diff. time of season
- 25. Discharge lift: (difference in elevation between pump and end of discharge line) Raise 25 feet to highest points - remainder on level
- 26. Depth of pump intake below ground surface: 80 feet.
- 27. Remarks: Have 3 more sections of column of 10 foot each to be put down

MOTOR OR ENGINE INFORMATION

- 28. Name of manufacturer: Fairbanks Morse - Line Start Induction Motor
- 29. Address: Chicago Ill
- 30. Type of motor, or engine: Q 52V 6 Electric
Frame G 17324V
- 31. Data on name or base plate: _____
- 32. Rated horsepower: 10 HP
- 33. Rated speed of motor or engine: full load 1740 revolutions per minute.
- 34. Rated Capacity of Pump (with described motor)

240	g.p.m. at	100	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: _____

