

4N/28-165(1)

**LIVED**  
JAN 22 1952  
STATE ENGINEER  
SALEM, OREGON

A.C. Langenwelter

UMAT  
2312

Application No. U 357  
Permit No. U 331  
Well No. \_\_\_\_\_

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 1-27, 1952

1. Location of well: NW 1/4 NW 1/4 NE 1/4 of Section 16 Twp. 4N Rge. 28E, W. M.
2. Name of nearest natural surface stream: Umatilla River
3. Distance from well to that stream: 2700 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: 4-20-50
6. Date well was completed: 5-27-50

LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered	Thickness of stratum
<u>Sand</u>	<u>At surface</u>	<u>30</u> ft.
<u>Sand &amp; Gravel</u>	<u>30</u> ft.	<u>70</u> ft.
<u>Blue interbed</u>	<u>70</u> ft.	<u>117</u> ft.
<u>Dense Basalt</u>	<u>117</u> ft.	<u>247</u> ft.
<u>Broken Basalt</u>	<u>247</u> ft.	<u>282</u> ft.

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

WELL INFORMATION

8. Diameter of well: 8" to 12" inches. Depth of wall: 282 feet.
9. Depth at which water was first encountered: 96 feet.
10. Water level when completed: 90 feet below ground surface.
11. Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.: \_\_\_\_\_

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PUMP INFORMATION

- 12. Manufacturer of pump: Pacific - Beresford
- 13. Address: Patla, Ind
- 14. Data on name or base plate: \_\_\_\_\_
- 15. Data on pump bowl assembly: \_\_\_\_\_
- 16. Size of pump: 5HP
- 17. Rated capacity: 6.5 gallons per minute.
- 18. Rated speed: 3600 revolutions per minute.
- 19. Number of stages: 9
- 20. Size of intake pipe; none - submersible
- 21. Size of discharge pipe: 2"
- 22. Length of intake pipe: \_\_\_\_\_
- 23. Length of discharge pipe: 200 ft
- 24. Suction lift: (difference in elevation between water surface in well and pump) \_\_\_\_\_
- 25. Discharge lift: (difference in elevation between pump and end of discharge line) 200 ft
- 26. Depth of pump intake below ground surface: 205 feet.
- 27. Remarks: \_\_\_\_\_

MOTOR OR ENGINE INFORMATION

- 28. Name of manufacturer: Beresford
- 29. Address: London - England
- 30. Type of motor or engine: 5HP 3ph
- 31. Data on name or base plate: \_\_\_\_\_
- 32. Rated horsepower: 5
- 33. Rated speed of motor or engine: 3600 revolutions per minute.
- 34. Rated Capacity of Pump (with described motor)
 

<u>48</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: \_\_\_\_\_