

6N/34-21 P(1)

IVED
1953
ENGINEER
OREGON

UMAT
4627

Application No. UU-484
Permit No. U 452
Well No. 1

UMATILLA

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 Oct 20th, 1953

1. Location of well: SE of SW 1/4 of Section 21 Twp. 6 N Rge. 34, W. M.
2. Name of nearest natural surface stream Pine Creek
3. Distance from well to that stream: 5000 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 1952
6. Date well was completed April 1952

LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered	Thickness of stratum
Volcanic Ash	At surface	ft.
Top Soil	0 ft.	28 ft.
Loose gravel	28 ft.	32 ft.
Clay & "	32 ft.	80 ft.
Cement & "	80 ft.	103 ft.
Clay	103 ft.	110 ft.
Cement gravel	110 ft.	160 ft.
Clay	160 ft.	166 ft.
Cement gravel	166 ft.	204 ft.
Remarks: <u>Little or no rock encountered</u>		
Clay	204 "	212 "
Gravel	212 "	220 "
Cement Gravel	220 "	231 "

WELL INFORMATION

8. Diameter of well 12 inches. Depth of well 231 feet.
9. Depth at which water was first encountered 35 feet.
10. Water level when completed: 23 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: Peerless
- 13. Address: _____
- 14. Data on name or base plate: _____
- 15. Data on pump bowl assembly: No- 154082
- 16. Size of pump: _____ 10 inch _____
- 17. Rated capacity: _____ 600 gallons per minute.
- 18. Rated speed: _____ 1750 revolutions per minute.
- 19. Number of stages: _____ 6
- 20. Size of intake pipe: _____ 8 "
- 21. Size of discharge pipe: _____ 8 "
- 22. Length of intake pipe: _____
- 23. Length of discharge pipe: _____
- 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) _____
- 26. Depth of pump intake below ground surface: _____ feet.
- 27. Remarks: _____

MOTOR OR ENGINE INFORMATION

- 28. Name of manufacturer: General Electric
- 29. Address: _____
- 30. Type of motor or engine: _____
- 31. Data on name or base plate: Model 5K6522 X A 1 A
- 32. Rated horsepower: _____ 50
- 33. Rated speed of motor or engine: 1770 revolutions per minute.

34. Rated Capacity of Pump (with described motor)	<u>600</u> g.p.m. at <u>270'</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: _____

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CAPACITY TEST

36. Date of test: April 1952 37. Temperature of water ___°F. or ___°C.

38. Motor speed during test: 1750

39. Test made by (weir, tank or other means): Orifice

Pounds pressure	TOTAL HEAD	*Total lift in feet	Gallons per min.	°Feet to water level	Draw-down	+Time
___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
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___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
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___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.
___ lbs.; Gauge at pump	Total	ft. in.		ft.	ft.	M.

* Difference in elevation between water level in well and outlet of pump test line.

° Distance from ground level ^{25 ft} to water surface in well. 25 ft

° Distance water level is lowered during time interval. 110 ft

+ Hour and minute at which observation was made.

41. Installation will work efficiently under normal head of 170 ft.

42. Water is discharged into: sprinkling system

43. Was water lowered to pump intake by test? yes

44. Remarks: _____

GENERAL INFORMATION

45. Name of contractor or other party who drilled or dug well: Heitstuman Brothers
Address: Freewater, Oregon- Route # 2

46. Pump and motor were installed by: White Brothers
Address: Walla Walla, Washington.

47. Capacity test was made by: Heitstuman Brothers
Address: Freewater, Oregon Route

48. General remarks: _____

