6N/35 - 15N(2)
UMATILLA

UMAT 54203

54203

Application No. U 4-70
Permit No. U 4-26
Well No. 1

REPORT ON COMPLETION OF WELL

RECEIVED
JUL 31 1952
STATE ENGINEER
SALEM, OREGON

(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 July 21, 1952

1. Location of well: 394 ft north 334 ft east from NW corner of Section 15 Twp. 6 N Rge. 35 E W. M.
2. Name of nearest natural surface stream West prong of little walla walla spring branch
3. Distance from well to that stream: 1440 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. Aug. 1 - 1951
6. Date well was completed Feb 15 1952

7. LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered		Thickness of stratum	
top soil	At surface		6	ft.
Caving gravel	6	ft.	29	ft.
hard good like clay	35	ft.	18	ft.
Cemented gravel much water	53	ft.	10	ft.
layers of rock like clay		ft.		ft.
and Cemented water gravel	63	ft.	57	ft.
		ft.		ft.
		ft.		ft.
		ft.		ft.

Remarks:

WELL INFORMATION

8. Diameter of well 8 inches. Depth of well 120 feet.
9. Depth at which water was first encountered 20 feet.
10. Water level when completed: 20 feet below ground surface.
11. Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.: no quick sand does not cave below 35 ft. 27 ft water level is lowest in spring and highest in fall 20 ft 23 ft

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PUMP INFORMATION

12. Manufacturer of pump: C. D. Cook
13. Address: Lawrenceburg Ind.
14. Data on name or base plate: Cook

15. Data on pump bowl assembly: 9 impellers

16. Size of pump:
17. Rated capacity: 128 gallons per minute.
18. Rated speed: 1800 revolutions per minute.
19. Number of stages:
20. Size of intake pipe: 4 in.
21. Size of discharge pipe: 4 "
22. Length of intake pipe: 55 ft.
23. Length of discharge pipe: 940
24. ~~Suction lift:~~ (difference in elevation between water surface in well and pump) 20
25. Discharge lift: (difference in elevation between pump and end of discharge line) 40
26. Depth of pump intake below ground surface: 55 feet.
27. Remarks:

MOTOR OR ENGINE INFORMATION

28. Name of manufacturer: General electric
29. Address: not given
30. Type of motor or engine: 3 Phase

31. Data on name or base plate: General electric TRICLAD induction motor

32. Rated horsepower: 7.5
33. Rated speed of motor or engine: 1800 revolutions per minute.

34. Rated Capacity of Pump (with described motor)

128	g.p.m. at	60	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: Feb 26-1952 37. Temperature of water___°F. or ___°C.
38. Motor speed during test:
39. Test made by (weir, tank or other means): Orifice and vertical end of hose

40.

Pounds pressure	TOTAL HEAD	*Total lift in feet		Gallons per min.	°Feet to water level	¤Draw-down	+Time
lbs.;	Gauge at pump	Total 22 ft.	in.	370	22 ft.	2 ft.	3 hours M.
lbs.,	Gauge at pump	Total 20 ft.	in.	450	20 ft.	5 ft.	1 " 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.
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.
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. 22 ft

° Distance from ground level to water surface in well. 20 ft

¤ Distance water level is lowered during time interval.

\+ Hour and minute at which observation was made. 2 "

41. Installation will work efficiently under normal head of 60 to 70 ft.
42. Water is discharged into: pipe
43. Was water lowered to pump intake by test? No
44. Remarks:

GENERAL INFORMATION

45. Name of contractor or other party who drilled or dug well: Self
C.D. Wilkowske Address: Freewater Oregon
46. Pump and motor were installed by: Walla Walla Farm Bureau
Address: Walla Walla Washington
47. Capacity test was made by: Ted Van Voorst
Address: Umapine Oregon
48. General remarks: