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 1953
 ENGINEER
 SALEM, OREGON

File

UMAT
 4277

Application No. U 490
 Permit No. U 442
 Well No. 2
 6N/35-17M(1)
 UMATILLA CO

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)

CARL Burggkoff

Date of Report 5/12, 1953

1. Location of well: 1388.5' N of SW corner of Section 17 Twp. 6N Rge. 35, W. M.
2. Name of nearest natural surface stream East Branch Mud Creek
3. Distance from well to that stream: 1/2 mile 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. Dec. 7 1951
6. Date well was completed Feb. 1952

LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered	Thickness of stratum
Top Soil	At surface	25 ft.
Gravel	25 ft.	100 ft.
Sand	125 ft.	10 ft.
Rock	135 ft.	10 ft.
Gravel	145 ft.	20 ft.
Sand - Clay Mixture	165 ft.	100 ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.

Remarks:

WELL INFORMATION

8. Diameter of well 12 inches. Depth of well 265 feet.
9. Depth at which water was first encountered 45 feet.
10. Water level when completed: 45 feet below ground surface.
11. Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.: Volcanic Ash
 WATER LEVEL - 60' Below L.S.D. (11-9-61)

PUMP INFORMATION

12. Manufacturer of pump: Johnston Pump Co.
13. Address: Los Angeles
14. Data on name or base plate: 7. 3891
15. Data on pump bowl assembly: _____
16. Size of pump: 6"
17. Rated capacity: 500 gallons per minute.
18. Rated speed: 1800 revolutions per minute.
19. Number of stages: 10
20. Size of intake pipe: 6"
21. Size of discharge pipe: 6"
22. Length of intake pipe: 130'
23. Length of discharge pipe: 6'
24. Suction lift: (difference in elevation between water surface in well and pump) 45 to 110
25. Discharge lift: (difference in elevation between pump and end of discharge line) 70'
26. Depth of pump intake below ground surface: 130 feet.
27. Remarks: _____

MOTOR OR ENGINE INFORMATION

28. Name of manufacturer: U. S. Elec. Motors Inc.
29. Address: _____
30. Type of motor or engine: Elec. turbine
31. Data on name or base plate: 60 cycles - 40°C Rating
74 amps - 3 phase
CFC Type
NRR
32. Rated horsepower: 30
33. Rated speed of motor or engine: 1800 revolutions per minute.

34. Rated Capacity of Pump (with described motor)

_____	g.p.m. at _____	ft. head
_____	g.p.m. at _____	ft. head
_____	g.p.m. at _____	ft. head
_____	g.p.m. at _____	ft. head
_____	g.p.m. at <u>400</u>	<u>270</u> ft. head

35. Remarks: _____

CAPACITY TEST

36. Date of test: Feb. 1952 + Sept. 1952 37. Temperature of water 49°F. or ___°C.
 38. Motor speed during test: 1750
 39. Test made by (weir, tank or other means): Office

Pounds pressure	TOTAL HEAD	*Total lift in feet	Gallons per min.	°Feet to water level	Draw-down	+Time
65 lbs.	Gauge at pump	Total 45 ft. in.	250	45 ft.	15 ft.	15 M.
65 lbs.	Gauge at pump	Total 45 ft. in.	275	50 ft.	5 ft.	15 M.
65 lbs.	Gauge at pump	Total 60 ft. in.	300	60 ft.	15 ft.	15 M.
65 lbs.	Gauge at pump	Total 60 ft. in.	325	60 ft.	15 ft.	15 M.
65 lbs.	Gauge at pump	Total 80 ft. in.	350	80 ft.	35 ft.	30 M.
65 lbs.	Gauge at pump	Total 110 ft. in.	400	110 ft.	65 ft.	60 M.
65 lbs.	Gauge at pump	Total 130 ft. in.	475	130 ft.	85 ft.	15 M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.
___ lbs.	Gauge at pump	Total ___ ft. in.				M.

* Difference in elevation between water level in well and outlet of pump test line.
 ° Distance from ground level to water surface in well.
 ▣ Distance water level is lowered during time interval.
 + Hour and minute at which observation was made.

41. Installation will work efficiently under normal head of ___ ft.
 42. Water is discharged into: Aluminum Pipe
 43. Was water lowered to pump intake by test? Yes
 44. Remarks: Well was tested at open discharge at well.

GENERAL INFORMATION

45. Name of contractor or other party who drilled or dug well: Heitstuman Bros. Address: Greenwater, Ore
 46. Pump and motor were installed by: Lott Supply Co. Address: Walla Walla, Wash.
 47. Capacity test was made by: Lott Supply + Heitstuman Bros. Address: Bros.
 48. General remarks: Well tested at completion + again at start of pumping season