

STATE ENGINEER
Salem, Oregon

UMAT
4308

Well Record

STATE WELL NO. 6N/35-19L1
COUNTY UMATILLA
APPLICATION NO.

OWNER: J.B. Heitsuman

MAILING ADDRESS:

LOCATION OF WELL: Owner's No.

CITY AND STATE:

..... ¼ ¼ Sec. T. N. E. S, R. W., W.M.

Bearing and distance from section or subdivision corner

Section

Altitude at well 685

TYPE OF WELL: Drilled Date Constructed

Depth drilled 170 Depth cased

CASING RECORD:

8 inch

FINISH:

AQUIFERS:

WATER LEVEL:

PUMPING EQUIPMENT: Type Turbine H.P.
Capacity 200 G.P.M.

WELL TESTS:

Drawdown ft. after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER Irrigation Temp. °F., 19

SOURCE OF INFORMATION USGS

DRILLER or DIGGER

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

Hardness (calcium carbonate) 80 p.p.m.
Chloride 8 p.p.m.

RECEIVED

JAN 17 1952

STATE ENGINEER
SALEM, OREGON

UMAT

J.B. Heitstuman

Application No. U-351
Permit No. U 345
Well No. 6N/95-19L/D
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 JAN 15, 1952

1. Location of well: N.E. 1/4 of S.W. 1/4 of Section 19 Twp. 6 Rge. 35, W. M.
2. Name of nearest natural surface stream Mud creek
3. Distance from well to that stream: 1000 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: 16 feet.
5. Date of beginning drilling or digging. JAN. 5, 1948
6. Date well was completed JAN. 28, 1948

7. LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered		Thickness of stratum	
		At surface		
CLAY	18	ft.	18	ft.
GRAVEL	24	ft.	6	ft.
CLAY GRAVEL	41	ft.	17	ft.
CEMENT GRAVEL	120	ft.	79	ft.
CLAY	130	ft.	10	ft.
		ft.		ft.
		ft.		ft.
		ft.		ft.

Remarks:

WELL INFORMATION

8. Diameter of well 8 inches. Depth of well 130 feet.
9. Depth at which water was first encountered 19 feet.
10. Water level when completed: 28 feet below ground surface.
11. Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.:

PUMP INFORMATION

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

 15. Data on pump bowl assembly: —

 16. Size of pump: _____
 17. Rated capacity: 100 gallons per minute.
 18. Rated speed: 1735 revolutions per minute.
 19. Number of stages: 5
 20. Size of intake pipe: _____
 21. Size of discharge pipe: 4 in.
 22. Length of intake pipe: none
 23. Length of discharge pipe: 50 FT.
 24. Suction lift: (difference in elevation between water surface in well and pump) 22 FT.
 25. Discharge lift: (difference in elevation between pump and end of discharge line) _____
 26. Depth of pump intake below ground surface: 50 feet.
 27. Remarks: _____

MOTOR OR ENGINE INFORMATION

28. Name of manufacturer: General Electric
 29. Address: _____
 30. Type of motor or engine: ELECTRIC
 31. Data on name or base plate: ser. No. MEJ 6787934

 32. Rated horsepower: 5
 33. Rated speed of motor or engine: 1735 revolutions per minute.
 34. Rated Capacity of Pump (with described motor)
- | | | | |
|------------|-----------|------------|----------|
| <u>100</u> | g.p.m. at | <u>110</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: _____

CAPACITY TEST

- 36. Date of test: Jan 29, 1948 37. Temperature of water ___ °F. or ___ °C.
- 38. Motor speed during test: _____
- 39. Test made by (weir, tank or other means): OT FACE

Pounds pressure	TOTAL HEAD	*Total lift in feet	Gallons per min.	°Feet to water level	Draw-down	+Time
<u>0</u> lbs.; Gauge at pump	Total	<u>70</u> ft. in.	<u>140</u>	<u>70</u> ft.	<u>42</u> ft.	<u>6 Hrs.</u>
___ lbs.; Gauge at pump	Total	___ ft. in.		___ ft.	___ ft.	___ M.
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* 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: _____
- 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 BROS
MILTON-FREEWATER Address: OREGON
- 46. Pump and motor were installed by: CO-OP
 Address: MILTON FREEWATER OREGON
- 47. Capacity test was made by: HEITSTUMAN BROS
 Address: MILTON-FREEWATER OREGON
- 48. General remarks: _____