

STATE ENGINEER  
Salem, Oregon

UMA TUMAW 4312 Record

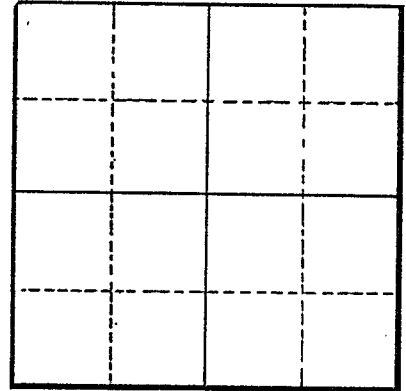
STATE WELL NO. 6N/35-19N1  
COUNTY UMATILLA  
APPLICATION NO.

OWNER: Mrs. M. Graves MAILING ADDRESS:

LOCATION OF WELL: Owner's No. CITY AND STATE:

1/4 1/4 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 58 Depth cased

CASING RECORD:

8 inch

FINISH:

AQUIFERS:

Gravel, loose from 56 to 58

WATER LEVEL:

PUMPING EQUIPMENT: Type Jet H.P. Capacity 35 G.P.M.

WELL TESTS:

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

USE OF WATER Domestic Temp. °F. 19

SOURCE OF INFORMATION USGS

DRILLER or DIGGER

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

Cemented gravel 25 feet thick and 30 feet soil and silt overlies aquifer. Shallow well typical of Umapine district.

**RECEIVED**  
**STATE ENGINEER**  
**SALEM, OREGON**

**UMAT 4312**  
**UMAT**

M.E. Groves

Application No. U-139  
 Permit No. U-133  
 Well No. 6N/35-19N(U)  
 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 6, 1941

274 ft. N. of Johnson Creek

1. Location of well: SW 1/4 of Section 19 Twp. 4 Rge. 35, W. M.
2. Name of nearest natural surface stream Johnson Creek
3. Distance from well to that stream: 262 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: 3 feet.
5. Date of beginning drilling or digging Apr 24
6. Date well was completed May 3, 1941

LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered		Thickness of stratum	
	At surface		ft.	
<u>Gravel and soil</u>	<u>0</u>	<u>10</u> ft.	<u>10</u>	ft.
<u>Gravel and clay</u>	<u>10</u>	<u>30</u> ft.	<u>20</u>	ft.
<u>Cement gravel</u>	<u>30</u>	<u>56</u> ft.	<u>26</u>	ft.
<u>Loose with heavy gravel</u>	<u>56</u>	<u>58</u> ft.	<u>2</u>	ft.
		ft.		ft.
		ft.		ft.
		ft.		ft.

Remarks: Cased with 8 inch pipe to 36 ft.

WELL INFORMATION

8. Diameter of well 8 in inches. Depth of well 58 feet.
9. Depth at which water was first encountered 21 ft surface water feet.
10. Water level when completed: 14 feet below ground surface.
11. Additional information regarding well such as soil conditions, quick sand, caves, obstructions, rock, etc.: Loose top gravel, soil, gravel, cement gravel

The surface water was cased off the water in well & the second water hit at 21 ft.

PUMP INFORMATION

- 12. Manufacturer of pump: \_\_\_\_\_
- 13. Address: Salerno, Ohio, Dondrag
- 14. Date on name or base plate: no date marked on it was purchased new in May 1941.
- 15. Date on pump bowl assembly: no date — purchased new direct from factory May 1941.
- 16. Size of pump: 7 in
- 17. Rated capacity: 30 gallons per minute.
- 18. Rated speed: 3400 revolutions per minute.
- 19. Number of stages: single stage jet pump
- 20. Size of intake pipe: 2 in
- 21. Size of discharge pipe: 1 1/2 in
- 22. Length of intake pipe: 51 ft
- 23. Length of discharge pipe: 3 ft to pressure tank 592 to end of line
- 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) 10 ft
- 26. Depth of pump intake below ground surface: 55 feet.
- 27. Remarks: 5 ft

MOTOR OR ENGINE INFORMATION

- 28. Name of manufacturer: General Electric Induction Motor
- 29. Address: Schenectady, New York
- 30. Type of motor or engine: 3 phase 2 pole K
- 31. Date on name or base plate: no date on it purchased May 1941, new.
- 32. Rated horsepower: 2
- 33. Rated speed of motor or engine: 3470 revolutions per minute.

34. Rated Capacity of Pump  
(with described motor)

1750 gals. an hour

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 _____	ft. head

- 35. Remarks: \_\_\_\_\_

CAPACITY TEST

56. Date of test: May 21, 1941 57. Temperature of water 56°F. or \_\_\_°C.  
 58. Motor speed during test: 900 rpm  
 59. Test made by (weir, tank or other means): well drilling machine

40. Pounds pressure	TOTAL HEAD	*Total lift in feet	Gallons per min.	Feet to water level	Draw-down	*Time
<u>40</u> lbs., Gauge at pump	Total	ft. in.	<u>40</u> gal/min	<u>14</u> ft	<u>10</u> ft	<u>2</u> hrs 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.
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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.

- \* Difference in elevation between water level in well and outlet of pump test line.
- o 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 60 ft.  
 42. Water is discharged into: pipe line 3 in  
 43. Was water lowered to pump intake by test? no  
 44. Remarks: The water was not lowered.

GENERAL INFORMATION

45. Name of contractor or other party who drilled or dug well: VanVorst Bros  
 Address: Imperial Ave  
 46. Pump and motor were installed by: Theodore Van Vorst  
 Address: Imperial Ave  
 47. Capacity test was made by: W. H. McLaurin, drilled for VanVorst Bros  
 Address: \_\_\_\_\_  
 48. General remarks: The well drill machine test was of greater capacity than the capacity of the present pump per gallon per hour and the water was not lowered.

*J. F. Bierford  
 Mabel E. Graves  
 Joel Van Vorst*