RECEIVED
JUN 27 1951
STATE ENGINEER
SALEM, OREGON

UMAT 3964

5N/35 - 12 G(2)
UMATILLA

Application No. U 380
Permit No. U 355
Well No. Milton #2

Rogers Canning Co

UMAT 3964

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 18 June, 19 51

1. Location of well: SW¼ NE¼ of Section 12 Twp. 5 Rge. 35 E, W. M.
2. Name of nearest natural surface stream Walla Walla River
3. Distance from well to that stream: 50 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: 10 feet.
5. Date of beginning drilling or digging. 8 January 1951
6. Date well was completed 14 June 1951

7. LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered	Thickness of stratum
Gravel	At surface	24 ft.
Gravel and boulders	24 ft.	18' 10" ft.
Black basalt	42' 10" ft.	31' 9" ft.
Black basalt, Gravel and clay	74 ft.	6 ft.
Black basalt	80 ft.	87 ft.
Red and brown basalt	167 ft.	15 ft.
Black basalt	182 ft.	216 ft.
Gray basalt	398 ft.	32 ft.
Black basalt	430 ft.	130 ft.
Remarks: Black basalt-broken	560	

Remarks: First water crystals in rock 394' to 396'. Traveling stream of water at 484'. Washed cuttings away. Traveling stream of water 524' to 528'. Traveling stream 552' to 560'. Cuttings washed away wherever traveling stream encountered. WELL INFORMATION

8. Diameter of well 16" inches. Depth of well 560 feet.
9. Depth at which water was first encountered 283 feet.
10. Water level when completed: 125 feet below ground surface.
11. Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.: Water level at in well stood at 34' when drilling had reached 270'. Water level in well dropped to 120' below the surface of ground when well had been drilled to 283'. Water level in well dropped to 125' when drilling reached a depth of 297' and remained at that level until completion of drilling at a depth of 560'.

5N/35-12 G(2)

PUMP INFORMATION

12. Manufacturer of pump: Johnston Pump Company
13. Address: Los Angeles 58, California.
14. Data on name or base plate: Johnston
15. Data on pump bowl assembly: 12" bowls 8 stage closed impellers
16. Size of pump: 10"
17. Rated capacity: 1200 gallons per minute.
18. Rated speed: 1760 revolutions per minute.
19. Number of stages: 8
20. Size of intake pipe; 10"
21. Size of discharge pipe: 10"
22. Length of intake pipe: 200'
23. Length of discharge pipe: 1200'
24. Suction lift: (difference in elevation between water surface in well and pump) 125'
25. Discharge lift: (difference in elevation between pump and end of discharge line) 10'
26. Depth of pump intake below ground surface: 210 feet.
27. Remarks:

MOTOR OR ENGINE INFORMATION

28. Name of manufacturer: U. S.
29. Address: Los Angeles, California
30. Type of motor or engine: 3 phase 2300 volt 60 cycle
31. Data on name or base plate:

Hr 125	(	895334	Serial)
V 2300	(	60	Cycle)
Type CFU	(	1800	R.P.M.)
V G B	(	29.2	Amps)
Frame 587-2	(	40°C	Rating)
	(	F Code	B Design)

32. Rated horsepower: 125
33. Rated speed of motor or engine: 1760 revolutions per minute.

34. Rated Capacity of Pump (with described motor)

1000	g.p.m. at	435	ft.	head
1200	g.p.m. at	345	ft.	head
1400	g.p.m. at	265	ft.	head
	g.p.m. at		ft.	head
	g.p.m. at		ft.	head

35. Remarks:

UMAT 3964

RECEIVED
JUN 2? 1951
STATE ENGINEER
SALEM. OREGON

5N/35-12 G(3)

CAPACITY TEST

36. Date of test: 9-10/11 June 1951 37. Temperature of water 57 °F. or ____ °C.
38. Motor speed during test: 1760
39. Test made by (weir, tank or other means): ~~[illegible]~~ Orifice gauge

40.

Pounds pressure	TOTAL HEAD	*Total lift in feet	Gallons per min.	°Feet to water level	¤Draw-down	+Time
open lbs.,	Gauge at pump	Total 130 ft. ___ in.	1680	125 ft.	5 ft.	2.15 M.
50 lbs.,	Gauge at pump	Total 130 ft. ___ in.	1460	130 ft.	~~5~~ ft.	M.
60 lbs.,	Gauge at pump	Total 130 ft. ___ in.	1420	130 ft.	~~5~~ ft.	M.
70 lbs.,	Gauge at pump	Total 130 ft. ___ in.	1360	130 ft.	~~5~~ ft.	M.
80 lbs.,	Gauge at pump	Total 130 ft. ___ in.	1310	130 ft.	~~5~~ ft.	M.
90 lbs.,	Gauge at pump	Total 130 ft. ___ in.	1270	130 ft.	~~5~~ ft.	M.
98 lbs.,	Gauge at pump	Total 130 ft. ___ in.	1220	130 ft.	~~5~~ 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. 130'

° Distance from ground level to water surface in well. 125'

¤ Distance water level is lowered during time interval. 5'

\+ Hour and minute at which observation was made. 11 June 1951 2.15 P.M.

41. Installation will work efficiently under normal head of 348 ft.
42. Water is discharged into: 10" line
43. Was water lowered to pump intake by test? 5'
44. Remarks: Water clear after one hour of pumping

GENERAL INFORMATION

45. Name of contractor or other party who drilled or dug well: George E. Scott
    Address: Box 011, Milton, Oregon
46. Pump and motor were installed by: George E. Scott
    Address: Box 011, Milton, Oregon
47. Capacity test was made by: George E. Scott
    Address: Box 011, Milton, Oregon
48. General remarks: