

VED

RECEIVED

UMAT
4348

6N/35 - 21 H(1)
UMATILLA

1949
ENGINEER

APR 2 1949
STATE ENGINEER
SALEM, OREGON

Application No. U 217
Permit No. U 196
Well No. _____

OTTO Behnke

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 MARCH 25, 1949

- Location of well: SE 1/4 NE 1/4 of Section 21 Twp. 6 Rge. 35, W. M.
- Name of nearest natural surface stream EAST MUD CREEK
- Distance from well to that stream: 500 feet.
- 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.
- Date of beginning drilling or digging DIGGING STARTED 1930 BY HAND
- Date well was completed DRILLED 1943

LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered		Thickness of stratum	
	At surface		ft.	
WASHED GRAVEL		ft.		ft.
TOP SOIL	<u>3</u>	ft.	<u>3</u>	ft.
SAND & GRAVEL	<u>15</u>	ft.	<u>15</u>	ft.
CEMENT GRAVEL from there on	<u>171</u>	ft.	<u>153</u>	ft.
		ft.		ft.
		ft.		ft.
		ft.		ft.

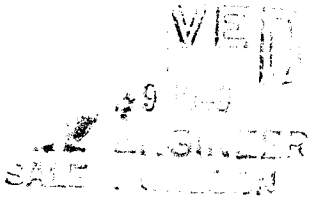
Remarks: first flow of water was struck at 40 ft second at 68 ft third at 110 ft fourth 154 and fifth 171 ft

THE FIRST 24 FT IS 6' DUG BY HAND
WELL INFORMATION

- Diameter of well 6 ft at top 8" drilled inches. Depth of well 171 feet.
- Depth at which water was first encountered 40 feet.
- Water level when completed: 44 feet below ground surface.
- Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.: CEMENT GRAVEL

Water lowered as each flow of water was struck from 40 to 44 ft

This is to the best of my knowledge
some surface water was struck at 20 ft but dropped to the 40 ft level



CAPACITY TEST

36. Date of test: Not Tested 37. Temperature of water ___ °F. or ___ °C.
 38. Motor speed during test: _____
 39. Test made by (weir, tank or other means): _____

40. Pounds pressure	TOTAL HEAD	*Total lift in feet		Gallons per min.	°Feet to water level	□ Draw-down	+Time
		ft.	in.				
___ 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.
___ 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.
 ° 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: OPEN DITCH
 43. Was water lowered to pump intake by test? _____
 44. Remarks: _____

GENERAL INFORMATION

45. Name of contractor or other party who drilled or dug well: Ted Van Voorst
 Address: Umatilla Oregon
 46. Pump and motor were installed by: self
 Address: _____
 47. Capacity test was made by: _____
 Address: _____
 48. General remarks: _____

6N/35-21H(1)
UMATILLA Co

PUMP INFORMATION

- 12. Manufacturer of pump: Deming Co
- 13. Address: SALEM OHIO
- 14. Data on name or base plate: FIR 4700 PUMP NO 6405

- 15. Data on pump bowl assembly: _____

- 16. Size of pump: 6
- 17. Rated capacity: 120 gallons per minute.
- 18. Rated speed: 1750 revolutions per minute.
- 19. Number of stages: 5
- 20. Size of intake pipe: 4"
- 21. Size of discharge pipe: 3"
- 22. Length of intake pipe: 70'
- 23. Length of discharge pipe: _____
- 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) _____
- 26. Depth of pump intake below ground surface: 70 feet.
- 27. Remarks: _____

MOTOR OR ENGINE INFORMATION

- 28. Name of manufacturer: U.S. MOTOR'S
- 29. Address: MILFORD CONN
- 30. Type of motor or engine: HWI

- 31. Data on name or base plate: HP 3 VOLTS 220\440 TYPE HWI
CODE G FRAME 822 PHASE 3
SERIAL 425734 AMPS 8.6\4.3
RPM 1800 CY. 60

- 32. Rated horsepower: 3
- 33. Rated speed of motor or engine: 1800 revolutions per minute.

- 34. Rated Capacity of Pump (with described motor)

<u>120</u>	g.p.m. at	<u>70</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: _____