

w3919

Well Information for Layne-Western Co.

This sheet is to be filled in and mailed to office upon completion of well

1. Sioux City Name of Job 9-1-49 Date
2. City of Sioux City City Iowa State
3. Well No. 2 - 8 Small (Sample in office) Driller's Name A. L. Harris
4. Well location: On 24th and Hawkeye Drive, south of the No. 2 well on Hawkeye Drive.
Give Distance and Direction from Permanent Land Mark so Well can be Accurately Located Several Years from now.
5. Work began 6-17-49; work completed 8-7-49 Number of working days _____
6. Diameter, length and type of material left in well:
7. 150 feet of Drilled screen made of 20" O.D. 3/8" Steel No. 3/4 Holes openings.
Shutter, Concrete, Keystone Armco, Bronze, Stainless Steel, Concrete Mesh
8. 111 feet of 20 inch inside casing made of 3/8" O.D. Steel with welded connections.
Armco, Std. Pipe, Concrete Riveted, Welded, Screw
9. _____ feet of _____ inch outside casing made of _____ with _____ connections
Armco, Std. Pipe Riveted, Welded, Screw
10. 15 yards of gravel used in well. Size 3/4"
11. Test of well. Did you use test or permanent pump? _____
Size of Bowl _____ Stages _____
12. Pump No. _____; geared head No. _____; ratio _____; r.p.m. _____; pulley diam. _____
13. Power used _____; horse power _____; voltage _____; r.p.m. _____; pulley diam. _____; r.p.m. _____
Electric Motor, Engine
14. Size of orifice _____ inch, by _____ inch. Orifice tube reading _____ inches.
15. Pumping test—measurements from ground level:

Time	G.P.M.	Static	Drawdown	Pumping Level
<u>9:00 am to 10:00 am</u>	<u>2700</u>	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
16. Recovery in 5 minutes _____, in 30 minutes _____
17. Customer's pump No. _____ was installed in this well by _____

18. Did you seal bottom of well? Yes Thickness 4" inches, material Float valve

19. Was well under-reamed? No From 2 feet to 2 1/2 feet.

From _____ feet to _____ feet.

From _____ feet to _____ feet.

20. If all screen was not placed at bottom, state how it was spaced.

From _____ feet to _____ feet; from _____ feet to _____ feet; from _____ feet to _____ feet.

21. Depth of well (from ground level to top of plug) 253 feet 0 inches.

22. Was cement placed around or between any of the casings? Yes

23. If, so, state where, how much and method used. 87 sacks. 5' of fine sand above screen, 7' of gravel on top of fine sand, started cementing at 93' from ground level. Used the mud pump.

24. Log of well from ground level:

[illegible]

25. Remarks:

FOR SKETCH

← 11 ft of
20" O.D. 3/8" WALL
WELDED STEEL PIPE

150 FT. OF
20" OD. $\frac{5}{8}$ " WALL DRILLED
STEEL PIPE $\frac{3}{4}$ " HOLES
ON 4" CENTERS