

ICWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

9413

Location: 6 mi S. 10 mi W.
Town: ROCK VALLEY (NE) (SW) : County SIOUX
S 1/4 SE SE SW sec. 29 T. 96 N., R. 46 W. Twp.

Well name and number _____

Owner JOHANNA DOORMINK Address SIOUX CENTER, IOWA

Tenant JOHN VAN DER KIEFF Address _____

Contractor ADOLPH BLIEK Address ROCK VALLEY, IOWA

Drillers _____

Drilling dates SEPT. 30 - OCT. 7, 1957

Well data:
Altitudes: Drilling curb _____ feet; Land surface 1430 feet

Determined by P. ROBINSON 9/65

Topographic position _____

Total depth: Reported 590 feet, Measured _____ feet

Drilling method ROTARY

Hole and casing data _____

Original depth to water 330 above ft. below _____ Date _____

Source of data _____

Sources of water: Principal - DAKOTA SANDSTONE

Others _____

Production Data

Date _____
 Static water level 330
 Measuring point _____
 Pumping water level 330
 Yield (g. p. m.) 5
 Duration of pumping _____
 Specific capacity _____

Pump Data

Type pump _____ Column diameter and length _____
 Cylinder or bowls diameter and length _____
 Suction pipe _____ Airline _____
 Power _____ Production _____ g. p. m. for _____ hours per day
 Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled _____
 Sampled by _____
 Silica (SiO₂) _____
 Iron (Fe) _____
 Manganese (Mn) _____
 Calcium (Ca) _____
 Magnesium (Mg) _____
 Potassium (K) _____
 Sodium (Na) _____
 Carbonate (CO₃) _____
 Bicarbonate (HCO₃) _____
 Sulfate (SO₄) _____
 Chloride (Cl) _____
 Fluoride (F) _____
 Nitrate (NO₃) _____
 Dissolved solids _____
 Hardness (as CaCO₃) _____
 Total _____
 Grains per gallon _____
 Noncarbonate _____
 Alkalinity (as CaCO₃) _____
 pH _____
 Specific conductance _____
 (micromhos at 25°C) _____
 Temperature (°F) _____
 Analysis No. _____

Laboratory Data

Well No. **W 941** Sample range 0-590 No. of samples 6
 No. of dupls. and cond. 01-000 Washed range 570-570
 Samples prepared by C. M. Hup Date 1-17-58
 Logged by NORTHUP Date 3/16/59
 Correlations by _____ Date 3/16/59

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe	DIAGRAM OF WELL

*As cast, wrought iron, steel, concrete, etc.

Is screen used? *no* Diameter (Inches)
 Length (Feet) Depth to bottom *590*
 Depth to top Slot size
 Are packers or seals used?
 Kind
 Where used
 Kind of pump *Hand pump* Dia. *2"* (Inches)
 Capacity of pump *4 gal* (g.p.m.)
 Power used *El. motor* (Kind and amount)
 Depth to bottom of pump line *306* feet,
 including *8 ft* feet tailpiece.
 Remarks on construction of well

John VanDeKift
tenant
 WELL RECORD

Well is located *6* miles S and *1/2* miles S from
 N E
 E W
 W W
Rock Valley in *Sioux*
 (Nearest Town) (County)
 in the *S.W.* *1/4* Sec *29* T. *14* N. R. *10* W.
 Owner *Johanna Dumont* Well No. *5*
 Postoffice address *Sioux Center Ia*
 Contractor *A. J. Blich well co.*
 Address *Rock Valley Ia*
 Driller *Adrian Blich*
 Well begun *Sept 30*, 19 *52*
 completed *Oct 8*, 19 *52*
 Rig used—Cable, Rotary, Jet, or
 Depth of well *590* (Feet)
 Size of hole (note total amount of each size) *4"*
 Main water supply at *sandstone* (Feet below surface)
 Final water head *330* (Feet above or below surface)
 Is well pumped? *5 gal per min.*
 Yield (Gallons per minute)
 Water level when pumping *same*
 Position of well (Upland, valley, side hill, etc.)

DESCRIPTION OF BEDS

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

The sandstone at 400ft is soft and waxy