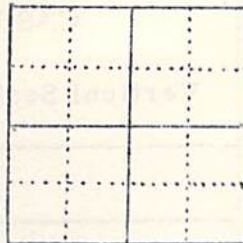


IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

W 6814



Location:

Town: Mingo (NE)
(SW) : County Jasper
E.
sec. 3? T. 80 N., R. 21 W. Twp.

Well name and number Mingo Town Well No. 1 (1954)

Owner _____ Address _____

Tenant _____ Address _____

Contractor Layne-Western Co Address _____

Drillers _____

Drilling dates July, 1954

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported 85 feet, Measured _____ feet

Drilling method _____

Hole and casing data _____

Original depth to water 11 above
ft. below _____ Date _____

Source of data _____

Sources of water: Principal _____

Others _____

Production Data

Date _____
 Static water level 11 _____
 Measuring point _____
 Pumping water level 43 _____
 Yield (g. p. m.) 200 _____
 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. _____

Well No. 6814 Laboratory Data Loc. EF 3-2
 No. of dupls. and cond. 17 - Good Sample range 0-85 No. of samples 17
 Samples prepared by CAHILL - MORGAN Washed range 0
 Logged by NORTHUP Date 9/22/54
 Correlations by NORTHUP Date 1/21/55
 Date 1/21/55

RECORD of PUMPING TEST

SEP 9 1954

on Well No. 1

for Town of Mingo, Iowa

Layne-Western Company

July 19, 1954

TIME	GPM	ALT. GAUGE	S.W.L.	D.D.	Air Temp. H ₂ O		
					P.L.	In Shade Temp.	
Start							
8:30 A.M.	104	47	11			74°F	54°F
9:00	104	36	11	11	22	74	54
9:30	142	29	11	18	29	76	54
10:00	140	28	11	19	30	80	54
10:30	164	24	11	23	34	70	54
11:00	164	24	11	23	34	70	54
11:30	164	23	11	23	35	70	54
12:00 Noon	168	22	11	25	36	70	54
12:30 P.M.	164	21	11	26	37	72	54
1:00	164	21	11	26	37	78	54
1:30	168	21	11	26	37	82	54
2:00	168	21	11	26	37	84	54
2:30	168	21	11	26	37	86	54
3:00	200	15	11	32	43	90	54
3:30	200	15	11	32	43	90	54
4:00	200	15	11	32	43	88	54
4:30	200	15	11	32	43	88	54

Recovery of well

4:30 $\frac{1}{2}$	38	20
4:31	38	20
4:32	38	20
4:33	38	20
4:34	39	19
4:35	40	18
5:00	42	16

All measurements taken from ground level.

Airline 58'