

7 1/2' Hopkinton East Quad
422054 0911404-01
87-3-18 BDCB
1980 field located by D. Karsten

WT 4650

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

Location:

Town: HOPKINTON (NE) (SW) County DELAWARE (E)
SW NE NW sec. 18 T. 87N N., R. 3 (W) Twp.

Well name and number

Owner HOPKINTON TOWN WELL (1963) Address

Tenant Address

Contractor THORPE WELL CO. Address DES MOINES, IOWA

Drillers DOUG BRUNEKOO

Drilling dates JUNE 29 - OCT. 6, 1963

Well data:

Altitudes: Drilling curb feet; Land surface feet 924

Determined by Alt. 7/66

Topographic position Hilltop

Total depth: Reported 1215' feet; Measured feet

Drilling method CABLE TOOLS

Hole and casing data 376' OF 8" CSG. 0-376'

405' OF 6" CSG. 362'-768'

Original depth to water, above
ft. below Date

Source of data

Sources of water: Principal _____

Others _____

PRODUCTION DATA

Date _____

Static water level _____

240

Pumping water level _____

275

Yield (g.p.m.) _____

425

Measuring point _____

Duration of pumping _____

Specific capacity _____

LABORATORY DATA

Well No. W14650

Sample range 0-1175

No. of samples 235

No. of dupls. and cond. 63

Good

Washed range 6-1175

Samples prepared by Bud Scheetz

Date 9/30/63

Logged by NORTUP

Date 10/2/63

Correlations by _____

Date 10/2/63

Still drilling holes

SR: 3-5-60

NS: 1-5-58 N.D. 1-5-58

Wash: 3-5-60

Cap: 3-5-60 5-6-60 6-6-60 7-6-60 8-6-60 9-6-60 10-6-60 11-6-60 12-6-60 13-6-60 14-6-60 15-6-60 16-6-60 17-6-60 18-6-60 19-6-60 20-6-60 21-6-60 22-6-60 23-6-60 24-6-60 25-6-60 26-6-60 27-6-60 28-6-60 29-6-60 30-6-60 31-6-60 32-6-60 33-6-60 34-6-60 35-6-60 36-6-60 37-6-60 38-6-60 39-6-60 40-6-60 41-6-60 42-6-60 43-6-60 44-6-60 45-6-60 46-6-60 47-6-60 48-6-60 49-6-60 50-6-60 51-6-60 52-6-60 53-6-60 54-6-60 55-6-60 56-6-60 57-6-60 58-6-60 59-6-60 60-6-60 61-6-60 62-6-60 63-6-60 64-6-60 65-6-60 66-6-60 67-6-60 68-6-60 69-6-60 70-6-60 71-6-60 72-6-60 73-6-60 74-6-60 75-6-60 76-6-60 77-6-60 78-6-60 79-6-60 80-6-60 81-6-60 82-6-60 83-6-60 84-6-60 85-6-60 86-6-60 87-6-60 88-6-60 89-6-60 90-6-60 91-6-60 92-6-60 93-6-60 94-6-60 95-6-60 96-6-60 97-6-60 98-6-60 99-6-60 100-6-60 101-6-60 102-6-60 103-6-60 104-6-60 105-6-60 106-6-60 107-6-60 108-6-60 109-6-60 110-6-60 111-6-60 112-6-60 113-6-60 114-6-60 115-6-60 116-6-60 117-6-60 118-6-60 119-6-60 120-6-60 121-6-60 122-6-60 123-6-60 124-6-60 125-6-60 126-6-60 127-6-60 128-6-60 129-6-60 130-6-60 131-6-60 132-6-60 133-6-60 134-6-60 135-6-60 136-6-60 137-6-60 138-6-60 139-6-60 140-6-60 141-6-60 142-6-60 143-6-60 144-6-60 145-6-60 146-6-60 147-6-60 148-6-60 149-6-60 150-6-60 151-6-60 152-6-60 153-6-60 154-6-60 155-6-60 156-6-60 157-6-60 158-6-60 159-6-60 160-6-60 161-6-60 162-6-60 163-6-60 164-6-60 165-6-60 166-6-60 167-6-60 168-6-60 169-6-60 170-6-60 171-6-60 172-6-60 173-6-60 174-6-60 175-6-60 176-6-60 177-6-60 178-6-60 179-6-60 180-6-60 181-6-60 182-6-60 183-6-60 184-6-60 185-6-60 186-6-60 187-6-60 188-6-60 189-6-60 190-6-60 191-6-60 192-6-60 193-6-60 194-6-60 195-6-60 196-6-60 197-6-60 198-6-60 199-6-60 200-6-60 201-6-60 202-6-60 203-6-60 204-6-60 205-6-60 206-6-60 207-6-60 208-6-60 209-6-60 210-6-60 211-6-60 212-6-60 213-6-60 214-6-60 215-6-60 216-6-60 217-6-60 218-6-60 219-6-60 220-6-60 221-6-60 222-6-60 223-6-60 224-6-60 225-6-60 226-6-60 227-6-60 228-6-60 229-6-60 230-6-60 231-6-60 232-6-60 233-6-60 234-6-60 235-6-60

Cut by Hunter 9/1/63

THORPE WELL COMPANY

2340 SIXTH AVENUE
DES MOINES, IOWADrilled for Municipal Utilities at Hopkinton, Iowa

Well is located _____ miles N-E-S-W and _____ miles N-E-S-W from _____

in the _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ Section _____ Township _____ Range _____Drilling started June 24 1963 Completed October 6 1963Well No. _____ Kind of Well Sandstone Depth 1215 Size hole started 12 inFinish 6" G. P. M. 425 Static Head 240 Pumping level from surface 275

Water was first encountered at _____ in _____ Approx. Amt. _____ Temp. _____

Remarks 8" pipe cement from surface to 27 ft. 6" pipe cemented in bottom 20 ft. of 8" cemented.

(GIVE DETAILS OF PERFORATED PIPE AND SEALS)

RECORD OF PERMANENT PIPE					TEMPORARY PIPE	
SIZE PIPE	AMOUNT OF PIPE	DEPTH TO BOTTOM OF PIPE	DEPTH TO TOP OF PIPE	MAKE OF PIPE	SIZE PIPE	AMOUNT
8"	376	376	+3			
6"	405	768	362			
Well was acidised with 1200 gal acid. Well will pump sand if more than 250 GPM is pumped, possibly 300 GPM						

Driller Doug Brunikool From Surface to 1215 feet

Driller _____ From _____ feet to _____ feet

Driller _____ From _____ feet to _____ feet

AMOUNT IN FEET	KIND OF SOIL OR FORMATION (BE SPECIFIC)	TOTAL DEPTH FEET
6	top soil	6
64	lime light brown	70
15	limelight brown & white	85
40	lime white & brown	125
5	lime gray sandy	130
18	lime dark gray	148
27	shale & lime mixed gray	175
5	lime gray sandy	180
50	shale & lime mixed gray	230
87	shale gray	317
48	lime brown	365
8	shale & lime mixed brown	373
147	lime light brown	520
30	dolomite & lime light brown & gray	550
45	dolomite & lime brown	595

15	dolomite & lime gray	610
17	dolomite & lime gray & dark brown	627
5	shale blue & gray green	632
23	dolomite & lime dark gray	655
30	dolomite & lime gray & brown	685
2	shale	687
7	dolomite & lime gray & brown	694
43	sandstone gray & white	737
8	sandstone & lime	745
40	lime sandy light gray	785
10	lime sandy gray & brown	795
25	lime sand gray	820
20	sandstone gray	840
10	sandstone brown	850
75	lime light gray to tan	925
160	sandy dolomite light gray	1085
102	sandstone	1187
28	light brown	1215