

THORPE WELL COMPANY
2340 SIXTH AVENUE
DES MOINES, IOWA

Well No. 8

Drilled for City of Estherville at Estherville

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

in the _____ 1/4 _____ 1/4 Section _____ Township _____ Range _____

Drilling started May 1958 Completed August 1958

Well No. #8 Kind of Well Drilled Depth 756' 4" Size hole started 30 in.

Finish 20" G. P. 1100-700 Static Head 127 Pumping level from surface 190-4 for 3 hrs.
900 189-7 for 22 hrs.

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

Remarks 725 bags cement around 20" pipe

(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
26"	245	244	1' up	welded	30"	65'
20"	462' 1"	461' 1"	1' up	welded		
	5' of shoe on 26" & 20" pipe					

Driller _____ From Surface to _____ feet

Driller _____ From _____ feet to _____ feet

Driller _____ From _____ feet to _____ feet

AMOUNT IN FEET	KIND OF SOIL OR FORMATION (BE SPECIFIC)	TOTAL DEPTH FEET
2	Black dirt	2
9	Sand and rocks	11
54	Blue Clay	65
20	Yellow clay	85
100	Blue clay (rocks at 125)	185
90	Grey shale	275
3	Limestone	278
4	Grey shale	282
7	Sand hard	289
120	Sand hard	409
19	Green shale	428
19	Brown shale & limestone	477
108	Sandstone	555
60	Brown lime	605
140	Sand & lime	745
10	Lime sandy	755

DATE		of pipe	266' of pipe	207' of pipe	226' of pipe	188' of pipe
		# Well	#7 Well Video Jan 91 Static 128'	#8 Well Video Aug 96 Static 112'	#9 Well Video June 93' Static 103'	#10 Well Video April 96 Static 111'
	Ht. of water-not running		138'	104'	124'	84'
	Ht. of water-running		96'	37'	105'	58'
Jan 97	Static		128'	103'	102'	104'
	Drawdown		42'	67'	19'	26'
	Running level		170'	170'	121'	130'
	Ht. of water-not running		138	102	124	82
FEB 97	Ht. of water-running		95	38	108	58
	Static		128	105	102	106
	Drawdown		43	64	16	24
	Running level		171	169	118	130
	Ht. of water-not running		136	100	118	80
MAR 97	Ht. of water-running		82	38	107	59
	Static		130	107	108	108
	Drawdown		54	62	11	21
	Running level		184	169	119	129
	Ht. of water-not running		138	100	122	82
Apr 97	Ht. of water-running		82	41	104	56
	Static		128	107	104	106
	Drawdown		56	59	18	26
	Running level		184	166	122	132
	Ht. of water-not running		137	100'	120	80
	Ht. of water-running		90	42	106	58
MAY 97	Static		129	107	106	108
	Drawdown		47	58	14	22
	Running level		176	165	120	130
	Ht. of water-not running		136	98	118	
JUNE 97	Ht. of water-running		80	38	100	OFF
	Static		130	109	108	
	Drawdown		56	60	18	
	Running level		186	169	126	

STATIC = ft. of pipe - height of water (not running)

Running Level = Static + Draw Down

DATE		_____ of pipe	266' of pipe	207' of pipe	226' of pipe	122' of pipe
		# Well	#7 Well 10-21-97 253' PIPE	#8 Well	#9 Well	#10 Well
	Ht. of water-not running		136	98	118	78
Dec	Ht. of water-running		80	38	101	54
97	Static		130	109	108	110
	Drawdown		56	60	17	24
	Running level		186	169	125	134
	Ht. of water-not running		135	98	119	78
	Ht. of water-running		85	38	103	55
NOV	Static		131	109	107	110
97	Drawdown		50	60	16	23
	Running level		181	169	123	133
	Ht. of water-not running		136	97	118	78
SEPT	Ht. of water-running		83	39	103	56
97	Static		130	110	108	110
	Drawdown		53	58	15	22
	Running level		183	168	123	132
	Ht. of water-not running		128	100	122	78
Oct	Ht. of water-running		84	38	102	58
97	Static		125	107	104	110
	Drawdown		44	62	20	20
	Running level		169	169	124	130
	Ht. of water-not running		126	98	120	80
NOV	Ht. of water-running		82	38	104	54
97	Static		127	109	102	108
	Drawdown		44	60	16	26
	Running level		171	169	122	134
	Ht. of water-not running		126	98	119	80
DEC	Ht. of water-running		80	39	102	56
97	Static		127	109	107	108
	Drawdown		46	59	17	24
	Running level		173	168	124	132

-STATIC = ft. of pipe - height of water (not running)

DATE		_____ of pipe	253' of pipe	207' of pipe	226' of pipe	182' of pipe
		# Well	#7 Well	#8 Well	#9 Well	#10 Well
	Ht. of water-not running		128	97	118	78
JAN	Ht. of water-running		81	37	98	54
98	Static		125	110	108	110
	Drawdown		47	60	20	24
	Running level		172	170	128	134
	Ht. of water-not running		126	98	120	79
FEB	Ht. of water-running		73	39	102	56
98	Static		127	109	106	109
	Drawdown		53	59	18	23
	Running level		180	168	124	132
	Ht. of water-not running		127	95	116	77
MAR	Ht. of water-running		76	37	100	56
98	Static		126	112	110	111
	Drawdown		51	58	16	21
	Running level		177	170	126	132
	Ht. of water-not running		125	97	118	80
APR	Ht. of water-running		77	42	103	58
98	Static		128	110	108	108
	Drawdown		48	55	15	22
	Running level		176	165	123	130
	Ht. of water-not running		124	98	118	78
MAY	Ht. of water-running		72	38	98	58
98	Static		129	109	108	110
	Drawdown		52	60	20	20
	Running level		181	169	128	130
	Ht. of water-not running		122	98	118	78
JUNE	Ht. of water-running		68	38	98	56
98	Static		131	109	108	110
	Drawdown		54	60	20	22
	Running level		185	169	128	132

-STATIC = ft. of pipe - height of water (not running)

W10262

IOWA GEOLOGICAL SURVEY

In Cooperation with U. S. Geological Survey

RECORD OF WELL

Location:

ST N AND N 1ST AVE
IN ESTHERVILLE

(NE)

Town: ESTERVILLE

(SW)

County

EMMETSE, SE, NW, SE, 10, 99, 34W

(SE)

SE NWsec. 10

T.

99

N.

R.

34

(W.)

Twp

Well name and number

Owner

ESTHERVILLE CITY WELL #8

Address

Tenant

(ESTHERVILLE #7)

Address

Contractor

THORPE WELL CO.

Address

DESIGN MOINES IOWA

Drillers

Drilling dates

MAY - AUG 1958

Well data:

Altitudes: Drilling curb

feet;

Land surface

feet

Topo elev 1280'

Determined by

Topographic position

Total depth: Reported

756' 4"

feet; Measured

feet

Drilling method

CABLE TOOLS

Hole and casing data

244' OF 26 CASING O-244461' OF 20 CASING O-461'

Original depth to water

127

ft. below

above

Date

Source of data

Sources of water: Principal

Others

Field
Checked
1978

PRODUCTION DATA

Date _____

Static water level 127

Pumping water level 190' 4"

Yield (g.p.m.) 900

Measuring point _____

Duration of pumping _____

Specific capacity _____

LABORATORY DATA

DA5-12,13

Well No. W10262 Sample range 0-745 No. of samples 138

No. of dupls. and cond. 130 Good Washed range 400-745

Samples prepared by Dorland, Dunn, Thomas Date 9/16/58

Logged by Koch Date Oct. 12, 1960

Correlations by Koch Date Dec. 13, 1960