IOWA GEOLOGICAL SURVEY In Cooperation with U. S. Geological Survey RECORD OF WELL Location: Town: Brandon (NE): County Buchanan o NW 50/ sec. 27 T 87 N., R. 10 W. Twp. Well name and number Brandon City Well No. 2 (1949) Owner _____ Address ____ Tenant Address contractor Thorpe Well Co. Address Des Moines Drillers Drilling dates 1949 to 165' Deepened Feb 22-Mar 4, 1955 to 405' Well data: Elevations: Drilling curb feet; Land surface 858 feet Determined by Topographic position Total depth: Reported 405 feet, Measured Deilling method Hole and casing date 72'8" of 8" casing set at 70'8" Original depth to water /7 ft. below Date Original elevation of water level ft.; Source of data_ Sources of water: Principal ; Others

Production data:	Date	1949	
Static depth to water	17 Measurir	g point	
Pumping level	119 at	45 g.p.m	•
SWL 16)			
PWL 33 (1855			
41eld 80_)			
Specific capacity	g.p.m. per ft. dr	awdown; Temperature	of.
Pump data; Type pump	Column Dia	Lengt	h
Pump data; Type pump Cylinder or bowls: Dia.	Length	Suction pip	е
	Airline		
Estimated rate of product			hrs. a day
Use of water			
MPN-100 (ARTHUR - METHOD IN COLUMN TO THE ARTHUR AR			
	WATER ALALYSES	(in parts per million)
Date samples			
Sampled by			
Total solids		· _ · · · · · · · · · · · · · · · · · ·	7 · · · · · · ·
Insoluble matter			
Alkalinity (Meo)			
Alkalinity (Phn)		management and the contract of	
PH			
Fe ₂ 0 ₃ - Mn ₂ 0 ₃ -Al ₂ 0 ₃ Alkali as sodium			
Calcium			
Magnesium			
Iron (unfiltered)			
Monganese			
Nitrate			
Flustide			
Chlordie .			
Sulfate			
Bicarbonate			
Hardness (ppm)			
Hardness (gpg)			
Remarks			
Laboratory data:		Sample storage locat	ion CEIOI
Sample range 15-165	47	pampro poerago reca	EH10-9
Spls. prepared by EMQ-6		- 165-400 by L	M M3 (Sampbell
Driller's log and cond.			
Insoluble residues: Prepar	red byStudi	ed byStrip	log
Microscopic study	strip lo		79
Gen. log	Correl.		
Northup		3/12/56	

THORPE WELL COMPANY

2340 SIXTH AVENUE DES MOINES, IOWA

Drilled for	City Water Works at Brandon, Iowa					
Well is located	miles N-E-S-W and	miles N-E-S	-W from			
in the	1/4 Section 27 or	34? Township	87N Range	10	W	
Drilling started	Feb. 22	19.55 Co	mpleted March 4		19_55	
Well No. 2	and of Well City Wel	1 Depth_	405	Size hole sta	rted 811 in	
Finish 811	G. P. M. 80 Sto	stic Head_16	Pumping level from si	irface33		
Water was first encount	ered atin_		Approx. Amt		Тетр	
Remarks This we	ell was drilled in	1949 and was	deepened from 1	65 - to	- 405	
	(GIVE DETA	ILS OF PERFORATED	PIPE AND SEALS)			
	RECORD OF PERMANENT PIPE T				TEMPORARY PIPE	
SIZE AMOUNT PIPE OF PIPE	DEPTH TO BOTTOM OF PIPE	DEPTH TO TOP OF PIPE	MAKE OF PIPE	SIZE	AMOUNT	
Driller Orian At	cheson		_ From Surface to		feet	
Driller			_ From165	feet to _	405feet	
Driller			From	_ feet to _	feet	
AMOUNT IN FEET	KIND OF	SOIL OR FORMATION	N (BE SPECIFIC)		TOTAL DEPTH FEET	
Well Drilled in 1949					165	
_l Shale					166	
40 Lime Rock					206	
5 Shale					211	
9 Crystal Rock & shale					220	
18 Lime Rock					238	
32 Sandy white lime rock - (hard)					270	
25 Sand Rock					295	
90 Lime Rock					385	
_20	Shale = MAA-				405	
		THE RESIDENCE OF THE PARTY OF T				

(Dulling) aus in top sont. -3 15 Jellow clay Broken line gellow, 20 5 yellow line 23 Truy lime Roy (10 Glow line Rose 3 Jung line Royk 44 60 11 1 11 11 16 66 flue grey strole 1/2 gray line Rock gellon lime was white soft lime mid .13 Tray line mores work. 17 142 White and yellow 13 In mixed: 155 Drug Stale, 10 1, 65 6 0.3 Top soil no sample 3-15 Jeleon clay BR. 15-20 (1) Broken Line 20-23 (2) yellow es 23-33 (3) stray es. 33-38 (4) yellow ls. .38 -44 (506) Dray Jame Rock 44-52 (7) Day la. 52-60 (8) Day S. 60-66 (9) Blue gr. sh. 66-70 (10) gray 2 70-75 (11) 11 .01 11 . 75-80 (12) 80-85-(73) 85-50 (14.) 90-98 (15.) 3 . . 93-100-(16) 100-112 (17) yellows, meser 112-120 (11) 120-125 (19) 125-133 (20) 155-165- (24) Shale 133-142 2/