in Cooperation		
	n with U. S. Geological Survey	
Location:	RECORD OF WELL	
Town: Manchester	(.N.E.) (SW):County Deleware	
	Reg No, Ro - Wo Dejeware Twp.	
Well man and multiple	e en	
and the second s		• 1
- Uy et Mancine	The case water the case of the second of the second of	
Tenant	Address	
	n and a second and a second and a second sec	
Contractor	Address	
Drillers		
Drilling dates 1894	· · ·	
Nell data:		i
Elevations: Drilling curb 72.	3 feet; Land surface í	Ceet
and the second	and the second	4.4.4.4
і 1 — на салоніст — на слав (1994).	n an	
Determined by "I.C.R.R. bu	level "	
	K Magucketa Kiver Valley	
	feet, Measured 1870:	
rotar doppr. Roportou		
	and the second	
Drilling method	a and a second	
		· · · · ·
		· · · · ·
Hole and casing data.		
Hole and casing data.	above . below Date	
Hole and casing data.	above . below Date	
Hole and casing data.	above below Date	
Hole and casing data.	above below Date ft.; Source of data; Others	

a more

1

Production data:	Date					
Static depth to water	Measuring	point	the second second second			
Pumping level	at	g•p•1	g•p•m•			
entremit	and a shirt of the state of the	A COLORADO	6720			
Specific capacityg.	p.m. per ft. drawd	own; Temperature	°F.			
Pump data; Type pump Cylinder or bowls: Dia.	Column Dia Length	Len Suction pi	gth			
Power	Airline					
Estimated rate of production:		_g.p.m. for	hrs. a da			
1	WATER ANALYSES (in	parts per millio	on)			
Date samples						
Sampled by						
Total solids						
Insoluble matter	·					
Alkalinity (Meo)						
Alkalinity (Phn)pH						
Fe203+ Mn203+A1203						
Alkali as sodium		-				
Calcium						
Magnesium		1				
Iron (unfiltered)						
Manganese						
Nitrate						
Fluoride						
Chloride						
Sulfate						
Bicarbonate						
Hardness (ppm)						
Hardness (gpg)						
Remarks						
Laboratory data:	Sai	mple storage loca	tion			
Sample range 10-18-70' No		the second s				
Spls. prepared byWa Driller's log and cond						
Insoluble residues: Prepared by	Studied	d byStr	ip log			
Microscopic study Bolt Tall	ey strip log	Gulf, Agne	W			

and a

Pres a

W-0088

IOWA GEOLOGICAL SURVEY Iowa City, Iowa

Well Log Record

Owner of well <u>Mane</u>	hester #1		County	Delawa	re					
Tenant				ancheste	2					
Location										
Description*	FEET Thick From / 'To		Descr	FEET Thick From To						
masuoketa		438								
magucketa upper buff	438	555								
Drah	555	663								
Blue - gray	663	684								
ail rock	684	698								
elay bed	698	703		43 -777	may	P				
magugor	703	777	poor	samples.	. no	Pecat	onica			
Shale.	777	784								

*Abbreviate descriptions; use one line for each formation.

Remarks on water zones and casings_____

 Temperature: Air_____OF., Water____OF. at____P.M._____19___

 Record obtained from Paul Arbut Recorded by______