No SAMPLES

DRILLER'S NOTEBOOK

WELL RECORD

Driller TEST DRILLING SERVICE

Address 2000 DRILLING SERVICE

DR. MARYLAND LEIGHT,

MISCOURI 63043

Owner CIYOF LOHOVILLE
Tenant
Address

IOWA GEOLOGICAL SURVEY
IOWA CITY, IOWA

DRILLER'S NOTE

It is important that a driller's notebook, filled out as completely as possible, be sent to the Iowa Geological Survey at the completion of each hole. A number of drillers have found it convenient to string samples from a single well on a heavy wire and attach the log book to them. A hole has been punched in the log book for this purpose,

Sample sacks and log books will be furnished by the Geological Survey. A copy of the log book will be made and returned if desired by the driller.

SUGGESTIONS TO DRILLERS

- I. Samples should be taken from each bed passed through, and never more than 5 feet apart, even in the same bed.
- 2. Samples should not be washed, except to remove excess drilling mud, as washed samples may give a wrong idea of the character of the bed.
- 3. Fill out the label on each sample bag with the name of the well and the depth interval which the sample represents.
- 4. Make frequent use of the "Description" column to explain the material being drilled.
- Note depth and thickness of all water-bearing layers.
- 6. Note the quality of the water from each layer: as hard, soft, salty, alkaline, or sulphur bearing.
- Note height to which water from each layer rises in well, and give flow or capacity in gallons per minute.
- 8. Fossils, such as oyster, clam, and other shells, are important and should be placed in bags with the material with which they are found and carefully labeled as to the depth from which they were obtained.
- 9. If you do not understand what is wanted, or desire information on any point, write to the Iowa Geological Survey, Iowa City, Iowa 52240.
- 10. Samples may be boxed and sent to IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA.

The lowa Geological Survey desires to assist and cooperate with owners and drillers in every way possible, and will be glad to answer questions and assist in the solution of problems at any time.

PD H-7669

WELL RECORD 5 43 4

N N
E E
_
Well is located miles S and miles S from
W W
Lalhoun
(Nearest Town) (County)
(Nearest Town) (County)
in the 1/4 1/4 Sec T R
~
Owner CURVILLE _Well No
Owner
Postoffice address OIR/ILE TOWA
Postothice address
Contractor LEST DOILLING SERVICE
Contractor
OKI COMMINICATION OF TO
Address CO-DOILLING STRICE D
1
Driller LYMM ELDERS
0 0
Well begun , 19 3;
vien begun , 10 ,
completed 7-13 1978
completed
- CTAONW/
Rig used—Cable, Rotary, Jet, or
Rig used—Cable, Rotary, Jet, or ROLLE W/
Depth of well
(Feet)
0.30
Size of hole (note total amount of each size) 0-30
24" 30 - 90 1 5 177" 30 2 5 - 620 Main water supply at (Feet below surface)
77 - 20 - 30 7 - 31 1 C 7 05 - 05
171/11/630.0 -9010 011/ 220/ 700/
Main water supply at
Main water supply at (Feet below surface)
Final water head (Feet above or below surface)
(Feet above or below surface)
VC
Is well pumped? YES
Yield 22560M@ 109.5 PL
Yield 12361946 104361
Yield (Gallons per minute)
600 5
Water level when pumping
Position of well NORTH OF WELL # 1 2 # 1
(Upland, valley, side hill, etc.)

0

RECORD OF PERMANENT CASING

							REC	ORD OF	PERMA	NENT CA	SING
Date and Time	Water Level	SOURCE Depth	OF WATER Type of Rock	Production in Gallons per Minute	Pumping Level	Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type [®] and Weight of Pipe	DIAGRAM OF WEL
1-9-78	863	180/	GRAVEL	7		20."	30	30	5406	.35"	
7-11-78	88' ?	396	STONE	EST?		13%	2025	2015	SACIO	547/375	
	857	540/	CAYE	5000 2000		25/6	620.0	000	230 SACK	322	i T
N	887	543/	MESONE	557? 300					1		
	SEAGE BY DO	D 2(L	WATER SE GRU	JBUY E	620)				33		
	38'7	200	UMBJUE	DODGPW					18 J		
						- O A	ls cast. W	rought iro	n, steel, co	oncrete, etc.	
							-	_		Diameter_	
						Le	ength	Feet)	Depth to	bottom_	<u> </u>
							_				
						W	here used	l			
										2 25	Dia (Inches)
								mate.	/	(g.p.m.)	
								330	(Kima a	ind amount)	
			Ì			De	epth to b				Afeet,
						in	cluding_	MC	SILE	fe	et tailpiece.
NOTE: of cha	Water nge ANI	Jevels sl Dat reg	nould be r ular interv	ecorded at als; for exa	time mple	Re	emarks on	construc	tion of we	ell	

NOTE: Water levels should be recorded at time of change AND at regular intervals; for example each morning before drilling starts or at the end of each 100 feet of drilling.

SAMPLE NO.		EPTH	THICKNESS	DESCRIPTION OF BEDS			
	From	То	IHICKNESS	KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.			
	C	80'	60	DRICT, GRAY, SOLT			
	0.9	102	22	DRICT MGREVEL, GRAY, SOCT			
	102'	120	18	· BRIGH MORE JOIN BOT			
	150	127	~ [COBBEE & GRIVELZUME, BROWN GOS			
				POLICITORILLING, MINCO VLITES			
	127	153	26	ORIET, GRAY, MUCHALIRDER TILA			
				MINITS ABOVE 5000"- 10,000" DOW.			
	153	162	9	DRIFT, GRY, SCOTEDTILAY ABOVE.			
	162	180	18	BRIGHTHILLIAM GRAY SOCT)			
	180	199	19	CODDIEC COME TO TO THE CONTENT OF			
	199	202.5	3.5	SHORE CERT TO BOY BONG ORIGINAL			
	2025	245	42.5	SIMLE, GRY, SOFT			
	245	276	31	SILVE GON TO SEDONI BROWN			
		,		ABLYE BUT STILL SOFT			
	376	300	24	VARIEGIED SOCI BEDISH BROW			
	300	325	25	SINCE, DIRL'GRAY TO BLACK,			
	325	350	25	SILVE, GRAIN BOWN TO REDD			

				25434				
SAMPLE		DEPTH	THICKNESS	DESCRIPTION OF BEDS				
NO.	From	То	Inichiness	KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.				
	350	396.	46	SHALE BLYCKTUDIER CELY, LARD				
	396	SIC	114'	Sanosigne, LIGHT CRY, FINE TO INEDIMUM, FRIGHT CRY, FINE TO ICCC - 1500 G. DIN DISCILLIVERD W				
				· AIRCIRCIATION				
	510	525	15	THE ERENDED CONCIONESTES HUH				
				GRY HIGHLY OXIDIZED, EST. 7. 300				
	535	540	15'	SOUD JUNE MONTHER FINE				
	540	543	3	YCID, ADDELOSTO BE IN DECOM-				
				SILTY LIMIESTONE, DISCIPLICED				
				AIRCIRCILLATION				
	543	620	77'	MISSISSIPPIANT ERMODIAL LIME STONE LIGHT GRY HIGHLY SPYCTURED				
				MIRD, GERDING MODE OF CHIMESTENE)				
	0	620'	620)	PRESCURE CROUTED BY				
	GRUII	IC REC	(420)	230 SACKS W/296 CALCIUM				
				GRUTT TO SURSING NO				
				POPSURE REGULAÇÃO TO PLINIS				
				-PLUC.				

SAMPLE NO.	D	ЕРТН	THICKNESS	DESCRIPTION OF BEDS
	From	То		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	CXX 0'	-00-C	80′	FIMESCHE BROKEN COLITICATE ALLE
	7000	7500	50′	TOODS 655'- 657' & 659'- 660 DUC MUIN FRUIS SMAN WETTERCOURSES 1000-00009 UMESTINE COUNTE, BRUN JISTORY COUNT TEXTURE SUCCEPTED ALS
	750.0	500-0	500	LIMESTONE - DUCHTE GRAVILL BROWN, SITY TO FINELY (RESTOURCE TEXTURE)
	8006	5550	55	SUTTUMETONE - DOULLITE GORY FINELY CASE-LUME TO SILT TEXTURE SUFFER
	8550	875.0	<i>3</i> 0′	SUTY LIMESONE - DOLUMITE GRANTO BROWN BY GRAY, SILTY TO GIVERY CONSTRUCT TEXTURE, SCHIE CAUCITE
	8750	90.0	26.	COESTITUES CHE DOCUME GENERALV (DIVA SUME BROWN SIGNATURES) SECT SEVERTICAL BOTTOMOS TOME BOTTOMOS TOME BOTTOMOS TOME BOTTOMOS TOME BOTTOMOS TOME BOTTOMOS TOME BOTTOMOS TOME BOTTOMOS TOME BOTTOMOS TOME BOTTOMOS TOME