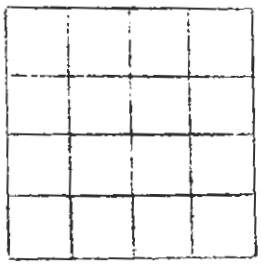
13502

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

Location: 6 MI. E.

Town: LEON (NE) (SW) County DECATUR (E) (W)

SE NW sec. T. 69 N., R. 24 Twp.



Well name and number

Owner S.G. TEST "D-64" Address

Tenant Address

Contractor Address NIRA

Drillers

Drilling dates JUNE 27, 1967

Well data:

Altitudes: Drilling curb feet; Land surface feet

Determined by

Topographic position UPLAND

Total depth: Reported 265 feet; Measured feet

Drilling method ROTARY

Hole and casing data

Original depth to water ft. above below Date

Source of data

Sources of water: Principal ______

Others ______

PRODUCTION DATA

Date ______

Static water level ______

Pumping water level ______

Yield (g.p.m.) ______

Measuring point ______

Duration of pumping ______

Specific capacity ______

LABORATORY DATA

+24-394

Well No. [illegible] 13562 Sample range 35 No. of samples 47

No. of dupls. and cond. 58 - 900 Washed range ——

Samples prepared by hwob Date 7/5/62

Logged by Northup Date 7/16/62

Correlations by ______ Date 7/16/62

Dick 160
tracy - 150 - Jim
Solk 145

WHEN RECORD IS COMPLETED PUT IN ENVELOPE AND MAIL TO

THE DIRECTOR
IOWA GEOLOGICAL SURVEY
IOWA CITY, IOWA

D-64

D-64

DRILLER'S NOTEBOOK

6/27/62

WELL RECORD

DRILLER LANE DR + EXP

ADDRESS Omaha, Nebr

OWNER U.S.G.S

ADDRESS IA City, IA

RETURN TO
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

1. 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.
5. 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.
7. 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.
10. Samples may be boxed and sent to IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA, *EXPRESS COLLECT.*

The Iowa 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.

PB—D-6467

69-24-22F-1

D-64

WELL RECORD

Well is located 6 miles N/E/S/W and 0 miles N/E/S/W from

Leon (Nearest Town) in Decatur (County),

in the SE ¼ NW ¼ Sec. 22 T. 69N R. 24W

Owner U.S.G.S. Well No. D-64

Postoffice address Iowa City

Contractor Lane

Address Omaha, Nebr.

Driller Carroll + Claire Lane

Well begun June 27, 1962;

completed June 27, 1962

Rig used—Cable, Rotary, Jet, or ....

Depth of well .... (Feet)

Size of hole (note total amount of each size) ....
5"

Main water supply at .... (Feet below surface)

Final water head .... (Feet above or below surface)

Is well pumped? ....

Yield .... (Gallons per minute)

Water level when pumping ....

Position of well Upland (Upland, valley, side hill, etc.)

Sample No.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
	0	5	Road fill	yellow	7:23	7:25
	5	10	yellow	clay mostly gray	7:25	7:28
	10	15	gray	clay	7:28	7:32
	15	19	"	"	7:39	7:43
	19	20	yellow	gray clay	7:43	7:44
	20	25	gray clay	some gravel	7:44	7:50
New Packing Water	25	30	gray ~~yellow~~	clay "	7:50	7:58
	30	34	yellow	clay	8:17	8:19
	34	35	sandy	yellow	8:19	8:20
	35	38	—	yellow clay	8:20	8:23
	38	40	sandy	clay	8:23	8:24
	40	45	"	some gray yellow clay	8:24	8:27
	45	50	gray	yellow mix	8:30	8:33
	50	55	gray	clay	8:33	8:36
	55	55	gray	yellow mix	8:36	8:37
	55	60	"	"	8:37	8:43
	60	65	"	"	8:47	8:51

Sample No.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
	65	70	Gray-	Ye	8:51	8:54
	70	75	Blue-	Gra yellow	8:54	8:57
	75	80		SAND CLAY	9:01	9:03
	80	85			9:03	9:05
	85	90	Blue-	Gray clay	9:05	9:07
	90	95	"		9:13	9:15
	95	100	"		9:15	9:18
	100	105	"		9:18	9:23
	105	110	"		9:28	9:30
	110	115	yellow	Gray yellow mix	9:30	9:32
119 126 R-5	115	120	"		9:32	9:35
	120	123	"		9:39	9:41
	123	125	Hard 36" P-P 3'	yellow - Gray mix	9:41	9:43
Rough →	125	130	Blue - Gray	yellow mix	9:43	9:45
	130	135	Blue	Gray clay	9:45	9:48
	135	140	"	" "	9:59	10:03
	140	145	"	" "	10:03	10:06

Sample No.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	Cum	
	145	150	Blue	Sandy Clay, Some yellow Sand	10:08	10:12
	150	155	"	" " "	10:19	10:21
	155	160	"	" " "	10:21	10:22
164 R-B	160	165	"	" " "	10:22	10:25
	165	170	"	" " "	10:30	10:32
	170	175	"	" " "	10:32	10:34
175 R-B	175	180	"	" " "	10:34	10:38
	180	185	"	" " "	10:43	10:45
	185	190	"	" " "	10:45	10:49
	190	195	Blue Gray Some yellow	" " "	10:49	10:53
	195	200	"	" " "	10:57	10:59
	200	203	"	" " "	10:59	11:02
Hard-Rock	203	204	Pull Down	" " "	11:02	11:05
	204	205	"	" " "	11:05	11:06
	205	210	"	" " "	11:06	11:08
B-R	210	215	"	" " "	11:13	11:16
	215	220	"	" " "	11:16	11:18

Sample No.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
	220	225	Blue	Gray clay	11:18	11:22
	225	230	"	" "	11:28	11:31
	230	235	"	"	11:31	11:39
	235	238	"	" SANDY "	11:34	11:39
Packing in W-5 Out Down to Repair						
Cav. [illegible]	238	240	"	" " "	11:59	12:00
	240	245	Blue	Gray clay sandy -	12:06	12:10
	245	250	"	" [illegible] yellow mix	12:10	12:14
Hard P.D.	250	252	" Hard		12:14	12:19
Hard Bks P.D.	252	255	" "		12:19	12:31
	255	256	Run	core barrel 7 min	1:23	1:30
	256	257	Shale	7 min	1:30	1:37
	257	258	Shale	8 min	1:37	1:45
	258	259	Shale	8 min	1:45	1:53
	259	260	Shale	7 min	1:53	2:00
260.8 Lime	260	261	Lime Broken	8 min	2:00	2:08
	261	262	Lime broken	21 min	2:08	2:29

— Pulled Core Barrel and emptyed at 262' —

Sample No.	DEPTH From	DEPTH To	THICKNESS	DESCRIPTION OF BEDS — KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	262	263	Lime.	13 min 3:27 3:40
	263	264	Shal.	9 min 3:40 3:49
	264	265		8 min 3:49 3:57
		265 T.D.	End of 16' core	