

DEPARTMENT OF THE ARMY		1. PROJECT <u>Water Well - Camp Dodge</u>		SHEET OF	
DIVISION <u>Operations</u>		2. LOCATION (Coordinates or Station) <u>Camp Dodge, Iowa</u>			
INSTALLATION <u>Hull Area Office</u>		3. DRILLING AGENCY <u>Thorpe Well Co.</u>			
DRILLING LOG					
4. HOLE NO. (As shown on drawing title and file No.) <u>CDWW-1</u>			5. NAME OF DRILLER <u>Guy Lemar</u>		
6. DIRECTION OF HOLE		7. THICKNESS OF OVERBURDEN		9. TOTAL DEPTH OF HOLE	
<input checked="" type="checkbox"/> VERTICAL	<input type="checkbox"/> INCLINED	3'		2.6'	
DEGREES WITH VERTICAL		8. DEPTH DRILLED INTO ROCK		9. TOTAL DEPTH OF HOLE	
		3'		78.6'	
10. SIZE AND TYPE OF BIT <u>30" Reverse Rotary</u>		11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		12. MANUFACTURER'S DESIGNATION OF DRILL <u>Winter-Weiss Portadrill</u>	
13. TOTAL NO. OF OVERBURDEN/SAMPLES TAKEN		14. TOTAL NO. CORE BOXES		15. ELEV. GROUND WATER	
DISTURBED		UNDISTURBED		827.5	
				16. DATE HOLE	
				STARTED <u>3/22/05</u>	
				COMPLETED <u>3/27/05</u>	
17. ELEV. TOP OF HOLE <u>830.5</u>		18. TOTAL CORE RECOVERY FOR BORING (%)		19. SIGNATURE OF INSPECTOR <u>William C. Schelstine</u>	

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	5 CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
825.5	5		Clay overburden			Dug this by hand
			Br. Clayey Sand			STARTED Here with rig
820.5	10		Gray Sandy Clay	1071		12:07 PM 3/24
815.5	15			2014		Stop 12:30 Add drill rod
810.5	20			3020		Start 12:45 Add drill rod
805.5	25			4025		Stop 1:07 Add drill rod
800.5	30		More sand	5032		Start 1:15 Add drill rod
795.5	35		Med. Gray sand			Stop 1:25 Add drill rod
790.5	40			6040		Start 1:37
785.5	45		Finer Sand (Gray)	7045		Stop 1:45 Add drill rod
780.5	50		Gray Coarse Sand	8050		Start 2:02 Add drill rod
			Gray Fine-Med Sand	9053		
775.5	55		Gr. Fine-Coarse Sand			Stop 2:10 Add drill rod
				10059		Start 2:25 PM
770.5	60					
765.5	65		Gray Gravelly Sand Max. 1" occ. 3" 1/2" max	11065		Using more water
						Stop 2:45P Add drill rod
760.5	70		1" max. 6" boulders present	12070		Start 3:25P Let water catch up.
			Shale	13070		Stop 3:50P Add drill rod
755.5	75			14074		Start 4:05P
				15077		Stop 4:11P
750.5	80		Bottom elev. 751.9			Start 7:00AM 3/27/05
						Stop 5:30 PM
						Bottom elev. 751.9
						* Much difficulty with boulders & shale. Went in with clam to remove boulders.