GEOLOGICAL LOG — HOLE NO. Q-12

John Redmond DAM SITE — SHEET 1 OF 2 SHEETS

LOCATION Sta. 135'S, 350'W. of NE corner Sec.11, T21S, R15E — SIZE OF CORE 4" & NX

ELEV. SURFACE 1105.0 — WATER TABLE ELEV. Not Determined

ELEV. TOP OF ROCK 1089.0 — DRILLED BY C of E

ELEV. BOTTOM OF HOLE 1002.8 — DRILLING DATES April 21, 1960

ELEVATIONS	DEPTH SCALE	SYMBOL	DESCRIPTION OF MATERIALS	REMARKS AND SUBSURFACE WATER DATA	CORE BOX
1105.0	0.0		Surface		
			OVERBURDEN	Rock Bit 0.0'-17.1'.	
	10				
1089.0	16.0		Top of Rock		
			SANDSTONE, Soft, weathered, micaceous, with shale streaks, tan.	Coring 4" @ 17.1'	
1083.6	21.4		1.2' core loss (17.1'-18.5' dist.)		1
			SHALE, mod. soft, weathered, gray.	Stull Member	2
1075.9	29.1				3
			LIMESTONE, mod. hard, fossiliferous, gray	Clay Creek member	
1070.6	34.4		Irregularly bedded shale streaks 30.9'-32.5'.		4
1067.8	37.2		SHALE, very hard, with alternating bands of siliceous limestone. Fossiliferous 36.8'-37.1'.		5
	40			NX core below 37.1'	
			SHALE, mod. hard to mod. soft, gray.	Jackson Park Mbr	
			Calcareous lenses above 43.4'		
			Fossiliferous 61.6'-62.1', and below 66.1'.		6
	50				
	60				7
1037.8	67.2				
	70		LIMESTONE, mod. soft to mod. hard, fossiliferous, shaly, gray.	Kereford	
			Very shaly 71.6'-72.9'.		
1028.8	76.2		SHALE, mod. hard, fossiliferous, gray.	Hennuader	
1027.1	77.9				8
	80		LIMESTONE, mod. hard, fossiliferous, with thin wavy shale seams, light gray.	Plattsmouth	
			Shaly above 78.8'.		
			Stylolite 84.9'.		
			Shale, mod. soft 85.0'-85.6'.		
			SHALE, mod. hard, brittle, carbonaceous, with thin silty layers, black.	Heebner	
1013.9	91.1				
1011.8	93.2		LIMESTONE, mod. hard, fossiliferous, gray	Leavenworth	9
1010.7	94.3		Shaly below 94.0'.		
			SHALE, mod. soft, dark gray.	Snyderville	
			Silty, mod. hard, with limestone inclusions, (Cont'd)		
	100				10

GEOLOGICAL LOG — HOLE NO. Q-12

John Redmond — DAM SITE — SHEET 2 OF 3 SHEETS

LOCATION 135'S, 30'W. of NE Corner Sec.11, T21S, R15E. — SIZE OF CORE 4" & NX

ELEV. SURFACE 1105.0 — WATER TABLE ELEV. Not Determined

ELEV. TOP OF ROCK 1089.0 — DRILLED BY C of E

ELEV. BOTTOM OF HOLE 1002.8 — DRILLING DATES April 21, 1960

ELEVATIONS	DEPTH SCALE	SYMBOL	DESCRIPTION OF MATERIALS	REMARKS AND SUBSURFACE WATER DATA	CORE BOX
1005.0	100.0		(Cont'd)		
1003.0	102.0		greenish-gray below 101.1'.		10
1002.8	102.2		LIMESTONE, mod. hard, fossiliferous, gray, with greenish-gray shale seams.		
			Bottom of Hole		

From the Desk of–

W. J. EBANKS, JR.

U.S. Corps of Engineers Q-12 —
Redmond Damsite

17'- 102' Shawnee
(Kanwaka sh.-Oread Ls.)

135'S, 350' W NE$_c$ 11-21S-15E
elev. 1105' G.L.

Coffey Co.

~~Row FF~~ 10 wooden boxes
ND6

