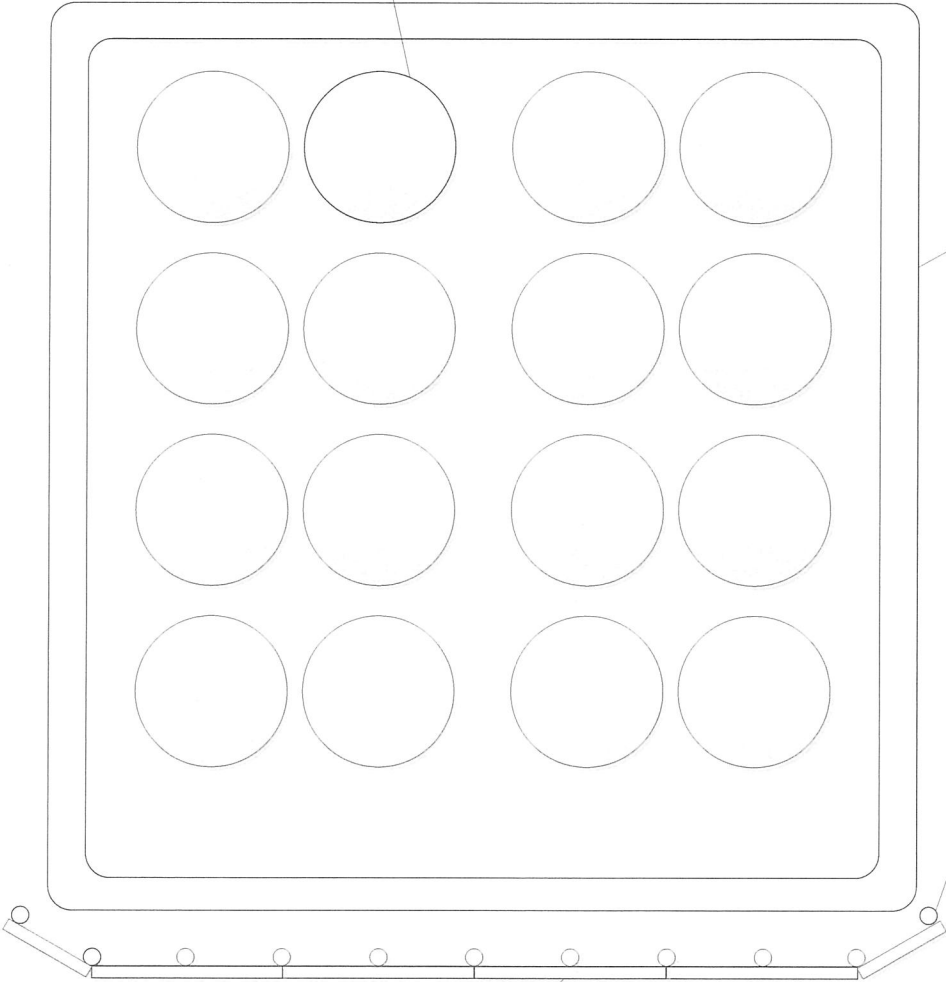


downstream
anticipated flood

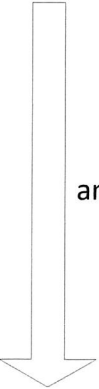
Storage tanks



earth berm

casing anchor

pipe fencing



upstream
anticipated flood

COMPANY: PDC ENERGY	Date: 1-29-16
TITLE: REINFORCED BERM DESIGN, FLOOD PLAIN v2 (COGCC 603.h compliance)	
drawing is theoretical, dimensions not to scale	

FRONT VIEW

288"

4.5"

96"

12"

36"

48"

40"

6"

2" tubing

cement filled casing

cement filled excavation

The diagram shows a front view of a well casing and excavation assembly. The total width is 288 inches. The casing is 12 inches high and 4.5 inches wide. The tubing is 2 inches in diameter. The excavation is 48 inches deep and 6 inches wide. The casing is filled with cement, and the excavation is also filled with cement. The distance between the casing and the tubing is 40 inches. The distance between the tubing and the excavation is 96 inches.

[illegible]

TOP VIEW

anticipated flood flow direction

96" spacing between cemented casing

The diagram shows a vertical wellbore with four shaded circular areas representing cemented casing. A large arrow points to the right, indicating the anticipated flood flow direction. A vertical double-headed arrow on the right side of the wellbore indicates the 96 inch spacing between the cemented casing.

drawing is theoretical, dimensions not to scale