

Team Second Spring 2018

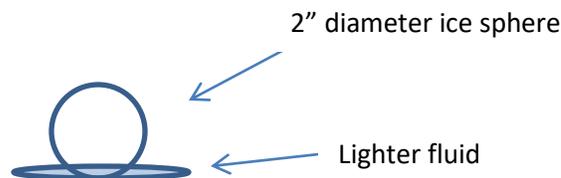
MCEN 4151

Steve Rothbart

4/8/18

The idea behind this image was to create the fire and ice aesthetic. I wanted the cool ice to be contrasted by the hot orange flame. This photo was taken with the help of my team members: Casey Cooter, Brent Bauer, Sam Oliver, and Jacob Chapin.

The basic flow apparatus is shown below:



The ice ball was placed on the ground away from anything flammable. Then lighter fluid was poured onto the ice ball. The lighter fluid ended up running down the ice ball and formed a pool on the ground. This pool of lighter fluid was then lit using a lighter.

The materials used in the setup were a 2" diameter ball of ice and Ronsonol lighter fluid. The photo was taken outdoors at night away from any street lights, with the goal being to provide a flame resistant area away from any light pollution. No external lights or flash were used in the creation of this photo.

The idea behind the photo was to capture the orange flames as crisply as possible but still have the ice ball be in focus. Because of this, I wanted little motion blur and a medium depth of field. The camera used is a digital Canon Rebel SL1 approximately 1.5' from the subject. The original image was shot in a CR2 format and was 5184 x 3456 pixels, the final image was

converted to PNG at the same size. The exposure was 1/125s at f/8 with an ISO of 6400. The focal length was 47 mm. This led to a field of view of 8.5" x 5.67". The image was manipulated in Adobe Photoshop. The contrast was increased to make the distinction between the flames and its shadows more distinct. The original image is shown below:



I enjoy the image aesthetically, however, it did not meet my original idea. Ideally, I would have liked the flames to only be coming from the ball of ice. However, it was difficult to get the lighter fluid to stay on the ball of ice and not form a pool at the bottom. Also, the light given off by the flame that is shown on the ground is not ideal. I was hoping for a pure black background with the only light being the flame itself.