

Logos Operating, LLC's Bondad 33-9 #5 well experienced a release of less than one (1) barrel of compressor oil and produced water inside the containment ring during a stormwater event. Less than five (5) gallons were spilled or released outside of the secondary containment. The release was first observed during a COGCC inspection (COGCC Document No. 693903484) on July 29, 2021. All impacted material was removed and disposed of at New Mexico Oil Conservation Division-approved Landfarm Envirotech Soil Remediation Facility (Permit #NM-01-0011). Logos did not locate any signs of this event creating a release greater than a few feet from the containment ring.

The release volume was calculated by utilizing

$$\begin{aligned} &\text{Spill Volume} \\ &(\text{Barrels}) = \frac{\text{Length} \\ &\text{of spill (ft)} \times \text{Width} \\ &\text{of spill (ft)} \times \text{Depth} \\ &\text{of spill (ft)} \times 25\% \\ &\text{soil porosity} \times 25\% \\ &\text{soil absorption}}{\hspace{10em}} \end{aligned}$$

The soil lithology on the Bondad 33-9 #022A consist of a sandy loom. The release was determined by site evaluation, historical documentation to be 0.88 BBLs.

Logos Operating removed the referenced below grade tank under rem # 19542 and final analytical results were submitted to the COGCC on September 23, 2021. It was determined that the west walls samples were over COGCC 915.1 Table, and the excavation was resumed. Samples were collected at 8' bgs at the base of the excavation and on the West Walls consisting of the North wall, Middle wall, and west wall samples were collected. Jim Hughes with the COGCC was onsite to witness the confirmation sampling. All analytical results from the April 1, 2022, sampling event came back below COGCC regulatory standards. The Final Form 27 was submitted Doc # 403041769 and approved by the COGCC on May 12, 2022.