

November 9, 2022

**Re: 2022 Fourth Quarter Summary  
Kerr-McGee Oil and Gas Onshore, LP  
P Ville Federal 5-7 Wellhead  
Form 27 Document # 403219646  
Remediation # 23002  
SWNW SEC 7-T3N-R66W**

Summary of Field Assessment Activities

Below is a summary of soil vapor field assessment activities completed since the previous Form 27 supplemental submittal on August 22, 2022 (Document Number 403124573).

No additional soil vapor sampling has been completed since the last Form 27 supplemental was submitted. An investigation was initiated in order to develop soil vapor well (SVW) construction prior to installation. Historical soil vapor screening field data and laboratory analytical results are tabulated in Table 1 and Table 2, respectively.

On August 24, 2022, Ensolum advanced one hand auger soil boring in the vicinity of soil vapor point (SVP) SVP13 to determine depth to groundwater. Groundwater was encountered at approximately 15 feet below ground surface (bgs).

On October 17, 2022, Ensolum performed a site walk to identify which SVPs were still present. With the exception of SVP04 and SVP11, all points were destroyed during agricultural activities.

From October 24 through October 26, 2022, Ensolum returned to the site to oversee the installation of 27 SVWs. The boreholes were advanced to just above groundwater, approximately 15 feet bgs, and the total depth for each well was set at approximately 12.5 to 13.8 feet bgs. The SVWs were constructed with three feet of 1-inch diameter, schedule 40 polyvinyl chloride slotted screen and solid 1-inch diameter schedule 40 PVC riser to several feet above grade. The wells were then capped with locking J-plugs to create a vapor-tight seal.

The new SVWs will be screened and sampled in November 2022. A Form 27 supplemental will be submitted in the first quarter of 2023 presenting the findings of the ongoing assessment activities. The boring logs for the SVWs are included as an attachment. Current and former SVP locations and current SVW locations are shown on Figure 1.