## Leatherneck Recycling Facility Supplemental Depth to Groundwater Documentation

SMA drilled a soil bore on 1/29/2019 for the purpose of determining the depth to groundwater at the proposed Leatherneck Recycling Facility site. The results of that bore hole can be found in Appendix A of '*MPC-Leatherneck Recycling Facility and Containment – C147 Long and Siting Criteria*'. A copy of the findings will also be attached along with this letter. Below you will see in *Figure 1. & Figure 2,* the exact coordinates of the soil bore drilled on 1/29/2019 and its relationship to the Leatherneck Recycling Facility site.

Мар	Details	Û
•	Location Lat: 32.54258366° Long: -104.12217115°	
	Edited by environmental_SMA on 1/29/19 at 9:27 AM	
Bh1 for water determination		
DESCRIPTION Bh1 for water determination		
DATE_TAKEN		
created_user environmental_SMA		

Figure 1. – SMA Soil Bore Coordinates 1/29/2019



Figure 2. Boundary line of Leatherneck Recycling Facility (SMA Soil Bore included)

On the following page is the Topographic plat of the Leatherneck Recycling Facility. The plat will also be provided along with this letter. According to the plat, and the surveys provided to SMA, the current lowest elevation where the Leatherneck Recycling Facility Site is planned is the southwest corner. Therefore, SMA chose to drill the bore in this corner. The elevation of the surface location of the soil bore drilled by SMA is **3,235.7**'.

SMA found the depth to ground water at this point to be 63' below the surface of the soil bore (Appendix A of '*MPC-Leatherneck Recycling Facility and Containment – C147 Long and Siting Criteria*'). This would put the water table depth at **3,172.7'**.

*Figure 3* is a screen shot of the Stamped Engineered Drawings provided by SMA (also sent with this letter). On pages C-102, C-103, C-104, & C-105 of the drawings you can see that the deepest part in the sump of the proposed treated water pit is designed to an elevation of **3,224.40'**.

Therefore, the deepest portion of the site at the sump of the pit will be greater than 50' above the water table at 51.7'.



Figure 3. Elevation profile of Leatherneck Recycling Facility



SECTION 30, TOWNSHIP 20-S, RANGE 29-E, N.M.P.M. EDDY COUNTY, NEW MEXICO

DETAIL VIEW SCALE: 1" = 200'



THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY, THIS CERTEKATION IS MADE AND LIMITED TO THOSE PERSONS OR BUTTIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11" SISURVEYWATADOR, RESOURCESILEATHERNECK, 30, FED\_209/2007/000\_LEATHERNECK, FRAC\_POND\_SITE/JWG 7/24/2018 8.45:18 AM Lgrogory