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Cc: [Randall Hicks](#); ["Rene Hope"](#)
Subject: [EXT] NRM2020635561 CULWIN QUEEN LATERAL @ K-03-19S-30E 0N 0E; Site Characterization Final Draft
Date: Tuesday, October 13, 2020 1:48:25 PM
Attachments: [CulwinQueen_SiteCharacterization_Assembled_Final_Reduced.pdf](#)

All –

Attached is the Site Characterization portion of the C-141 submission for the above mentioned site. Ray Westall Operating submitted the same document via the OCD portal this morning. A remediation plan is forthcoming.

Included in the Site Characterization is:

- A cover letter on pages 2-3 that is an executive summary of the document
- Laboratory analyses (see Tables Appendix, pages 38-40 and Lab Reports Appendix, pages 41-69)
- Appropriate figures that supplement the questions included in the Site Assessment portion of the C-141 (page 5) and the associated report (pages 7-11),
 - This includes Figure 1 (page 13), which shows the United States (BLM) owns the impacted surface
- Data from nearby water wells (Figures 2 and 3, pages 14-17; Well Log Appendix, pages 71-72), the on-site oil well (Well Log Appendix, pages 73-84), the New Mexico Geologic Map and our field examination of the geology of the area permit two conclusions that exhibit a high degree of scientific certainty:
 - No perched groundwater zone exists beneath the release site
 - The uppermost water-bearing unit exhibits a potentiometric surface that is about 215 feet below land surface

Thanks,
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