MINOR MODIFICATION TO PERMIT NO. R9UIC-CA1-FY17-2 ISSUED TO LIVE OAK LIMITED

In accordance with 40 CFR §144.41(f), this Permit is hereby modified to reflect changes in well construction of Live Oak WD-1 (i.e., the reperforated intervals of the well, the new 5 and ½-inches casing addition to the well, and the new well packer).

Portions of pages 5 and 8, and the entirety of Appendix B of the Permit are revised to incorporate the above changes and now read as follows (for clarity, changes are shown with removals struck out and with new additions in **bold and underlined** text):

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...Oil Field at depths ranging between 5,310 5,400 and 5,370 5,600 feet, and between 5,380 and 5,540 feet below ground surface. The Famoso Sand at Well Live Oak WD-1 has greater than 10,000 mg/L total dissolved solids and is confined above by the approximately 150-foot thick Upper Walker Shale and below by the approximately 100-foot thick Lower Walker Shale.

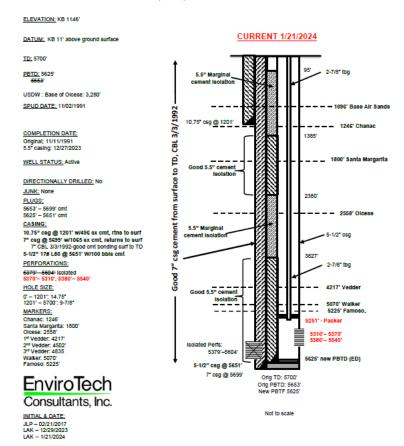
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5. <u>Injection Interval</u>

Well Live Oak WD-1 is currently injecting into the Famoso Sand within the Kern River Oil Field. The Famoso Sand at Well Live Oak WD-1 has greater than 10,000 mg/L total dissolved solids. Injection by Well Live Oak WD-1 is only permitted into the Famoso Sand, within the depth range as depicted in the well schematic in Appendix B (i.e., at depths ranging between 5,310 5,400 and 5,370 5,600 feet, and between 5,380 and 5,540 feet below ground surface).

Live Oak Limited

WD 1; API # 029-89421 Section 18, T28S, R28E M.D.B.&M.



All other permit conditions remain unchanged.

This minor modification is effective on

______August 27, 2024 /signed/

Tomás Torres, Director Water Division, EPA Region 9