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A large oil and gas exploration company experienced a produced water spill of an unknown quantity from a tank over flow. The spill overflowed the containment structure, ran across the pad and exited into a pasture. The contaminated area was delineated and determined to contain, approximately, 410 cubic yards of contaminated soil. Edwards Environmental Corporation was contracted to perform the remediation. The initial composite samples were tested by Environmental Testing Inc./Oilab Inc. and the results were averaged. The initial test results were as follows:

<u>Total Soluble Salts</u>	<u>Electro-Conductivity</u>	<u>Chlorides</u>
45,200 ppm	70,600 umhos/cm	27,650 mg/L

The remediation was performed and 95 days after treatment a second set of composite samples were collected and tested. The results were averaged and are as follows:

<u>Total Soluble Salts</u>	<u>Electro-Conductivity</u>	<u>Chlorides</u>
2,870 ppm	4,490 umhos/cm	1,020 mg/l

Reduction: **93%** **93%** **96%**

The oil and gas exploration company and the Oklahoma Corporation Commission field inspector were happy and the case was closed. The cost per cubic yard for the remediation was \$37.39.

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