

Groundwater:

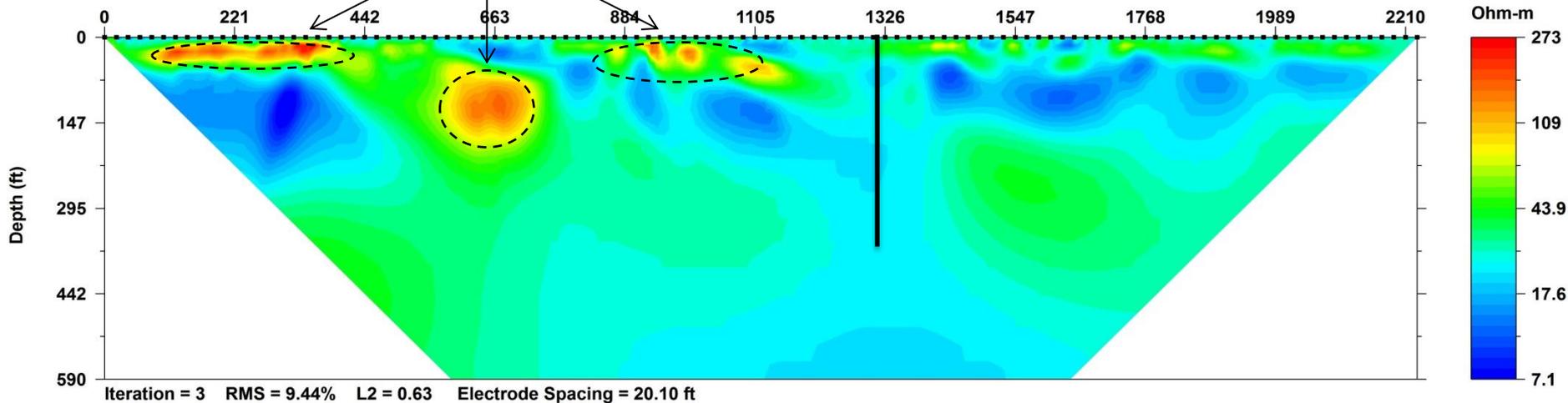
Locating high yield water wells and voids near oil drilling sites



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High potential for limestone voids with cave in hazards and loss of drilling mud circulation

Approx. 100 GPM Water Well



Date: June 20, 2014

Site: West-Texas – undisclosed oil and gas field

Equipment: SuperStingR8 WiFi with SwitchBox112 with passive cables spaced at 6m. Dipole-dipole and strong gradient array

Software: EarthImager2D with a finite element inversion model

Results: Resistivity imaging successfully located a relatively high production water well producing approximately 100 GPM in a region where 10 GPM is common when not using resistivity imaging. Several areas more likely to cause cave in hazards for drilling equipment and/or expensive loss of drilling mud were also located nearby on the same section.

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