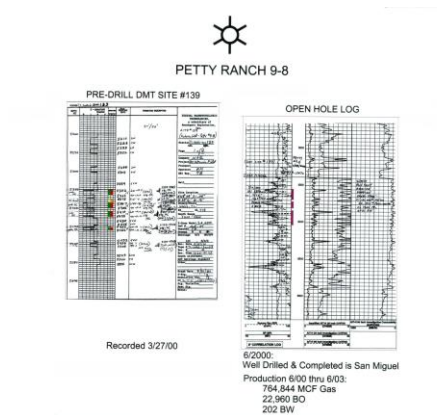


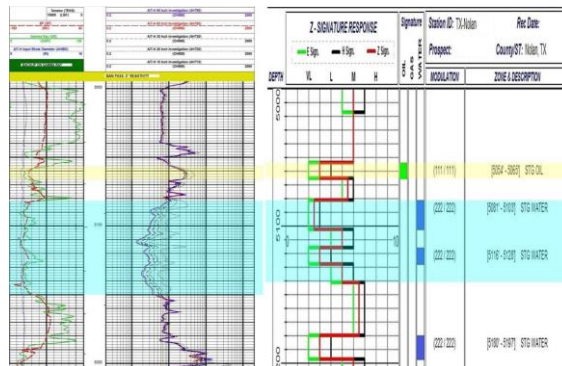
DIGITAL MAGNETOTELLURIC TECHNOLOGIES, DMT

DMT's non-invasive portable Z-SCAN high resolution Magnetotelluric imaging system can reduce geologic risk and help you discover highly economic reserves with vertical wells. DMT has 23 years of petroleum exploration experience, **recommending over 334 wells on five continents of which 161, mostly high risk stratigraphic traps, have been successful.** Further, **DMT has been 100% accurate on predicting uneconomic wells.** This attribute allows our clients to **eliminate poor prospects** from their portfolio at a very early stage. Since 2010, DMT has enjoyed an **economic success rate of 95%** in predicting good to excellent horizontal well performance by pre-drill tabulation of the maximum area of hydrocarbon filled natural fractures along the planned laterals, and thus, saving millions in drilling costs on non-consented poor wells (see horizontal flyer).

Z SCAN Gas Example



Z SCAN Oil Example Post drill log Pre drill ZSCAN



Z-SCAN antennae measure the natural electromagnetic (EM) field at the surface. The Z-SCAN uses the resistivity derived from the EM data to identify relative porosity and the phase of the EM data to differentiate oil, gas and water. Our technology uses no induced currents, utilizing receivers only. The equipment is lightweight, and easily foot-portable for access to difficult terrain. There are no permitting costs.

The methodology recommends a preliminary calibration review of an optimal producer, marginal producer and a dry hole in the target strata to establish 'fingerprints' to allow for comparative analyses of individual stations and prospects. Results are presented in log format. Our clients often undertake regional Z-SCAN studies to facilitate leasing of optimal acreage, followed by detailed prospect analyses to map reservoir volume and guide well location selection. Z-SCAN data confirm, complement, enhance and add precision to seismic and other remote sensing information. Depth accuracy is +/-25' to 20,000'.

Please call to discuss the Z-SCAN Technology and/or your project. We will be happy to develop a Z-SCAN "Scope of Work" and "Cost Estimate". Our service is **highly cost-effective**.
Contact:

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