



02 April 2017.

TO WHOM THIS MAY CONCERN.

My name is **Erving Mayorga**. I am a petroleum engineer graduate from Texas A&M University with 37 years' experience in onshore and offshore oil fields (Heavy & Light Oil and Gas).

Pre-crash 2016, I was employed by Freeport McMoRan Oil & Gas [FMOG] here in Bakersfield CA. – USA. It was there that I met with the ATS senior management – Mr JR McKendry and Dr M du Preez. The entire FMOG heavy oil team were most impressed with the work that ATS had done in California and in other regions of the world.

California oil fields are difficult areas. Acoustic seismic simply will not work given the extensive deposits of aerated sands and the heavy sub surface boulder deposits. To see the results and detail supplied by ATS was in fact an oilman's dream.

I have since, due to the oil crash, been retrenched from FMOG. Coincidentally, I have started my own company (InnovaTerra Technology Solutions, LLC) here in California offering the ATS services on a wide range of applications.

I recently drilled my first water well using the ATS App. This was a huge success and has opened a large number of doors for my business including the likes of the DOGGR (California Department of Oil, Gas and Geothermal Resources), KCWA (Kern County Water Agency), etc. If the client had drilled where he had wanted to, it would have meant that he would have totally missed the aquifer's sweet spot and thus not obtained the full potential of the existing water resources that he so desperately needed – so all in all, it was a truly amazing story.

Finally – the ATS technology's ability to map injected high temperature / high pressure steam within a heavy oil reservoir is extremely valuable. Steam injection is a huge cost in a Steamflood and until now, as an operator, we simply have not had the technology available to see where the steam volumes were being distributed throughout the subsurface; thus making it very difficult to properly manage this particular resource and, at the same time, enhance our oil recovery. Furthermore, operating a steamflood project presents very hazardous conditions for those who have to handle this very hot fluid at surface, so by properly monitoring the subsurface distribution of steam and avoiding surface steam irruptions or breakouts, ATS technology would definitely help minimize this particular hazard and thus keep oil operators safe.

In conclusion, when the Oil & Gas industry's recovery eventually arrives, this technology will in my opinion be in demand by all heavy oil oilfield operators.

Feel free to contact me directly at your convenience to clarify and further discuss my experience with ATS Technology.

Warm Regards,

**Erving Mayorga, MSc.**

**Innova Terra Technology Solutions, LLC**  
**8200 Stockdale Hwy., Suite M-10**  
**Bakersfield, CA 93311**  
**Work Phone: [\(530\) 290-5730](tel:5302905730)**  
**Cell: [\(832\) 818-5015](tel:8328185015)**  
**Email: [erving.mayorga@innovaterrats.com](mailto:erving.mayorga@innovaterrats.com)**  
**Web Page: [www.innovaterrats.com](http://www.innovaterrats.com)**