



Date: September 12, 2005
To: Gerald R. Miller, City Manager *by cjs*
From: Christopher J. Garner, Director of Long Beach Energy and Oil Properties \s\
For: Mayor and Members of the City Council
Subject: September 13, 2005 City Council Agenda Item R-18 Attachment

As noted in agenda item R-18, Signal Hill Petroleum, Inc. has contracted with Ameridian Technologies (Ameridian) to assist with a 3D seismic survey in certain areas of Long Beach. Attached is the Public Notice prepared by Ameridian to inform the public of the seismic survey and to offer each property owner a free inspection of the property before and after to verify that the survey has not impacted the existing infrastructure. Ameridian prematurely distributed some of the Public Notices during the week of August 15, and on August 18 was requested to stop all interaction with the public until the Mayor and City Council were informed.

CJG:CPH

ENG 240.002

Attachment

Ameridian Technologies, Inc
3801 East Pacific Coast Highway
Long Beach, CA 90804
Tel: 562-480-9361 ; Email: meridian_apex@yahoo.com

PUBLIC NOTICE

Seismic and Geophysical Survey Project

In the next few months a seismic and geophysical survey will be conducted in Long Beach and Signal Hill. This survey is being conducted in partnership with the Cal State Long Beach, the University of California at Santa Barbara and the Southern California Earthquake Center. The survey will generate data that will allow scientists to image and study the local subsurface geology.

The survey will require placing special microphones called "geophones" along the curbs and landscape areas of some streets. The geophones will be connected by cables. Geophones placed on hard surfaces will be held in place by a sand bag. The geophones and the cables will be in place at any one location for approximately 3 weeks.

After the geophones are in place, special trucks will stop at various locations on local streets and transmit high frequency sound waves into the ground for a couple of minutes at each location. The reflection of the sound waves from the earth will be picked up by the geophones and recorded. This process is a relatively new technology referred to as "Vibro-Seis" and is based on the same technology the medical industry uses for ultra-sonic imaging. The Vibro-Seis process will cause a momentary, minor ground vibration in the immediate vicinity of the trucks. Traffic control escort vehicles will accompany the trucks and special precautions for traffic control will be used whenever the trucks stop. The trucks will quickly pass through each area.

The project has contracted with Ameridian Technologies to survey and inspect the proposed locations for the geophones and the Vibro-Seis trucks. The inspectors will go door to door along the Vibro-Seis routes and attempt to contact all home and business owners. In addition to offering information about the project, they will also offer to inspect each property (interior and exterior) to determine if any unusual conditions exist that need to be considered in determining the final Vibro-Seis locations. Inspections will only be conducted with the property owner or residents permission and will be free of charge. In addition, Ameridian technicians will monitor the Vibro-Seis process with seismographs throughout the project area to assure the minor ground vibrations are well within safe standards.

Any property owner or resident may register for the free inspection of their property by filling out the form below. If an inspection is not requested, we request the contact information be filled in so that the project team can provide updates on project schedules.

_____ **YES, PLEASE** schedule an appointment to conduct a free inspection of my property.

_____ **NO**, I do not wish to have an inspection of my property. My contact information is shown below. Please provide updates on the project schedule.

Signature _____ Date _____

Printed Name _____ Tel: _____

Address _____

City, State, Zip _____

GPS: N _____, W _____ (to be completed by Ameridian)

If you have any questions, please call Andrea Kaye who is in charge of public information and liaison for the project. Ms. Kaye can be contacted at **562-544-1618**.