

Leak Surveys Inc. Pipeline Leak Detection

Leak Detection for
the 21st Century



Bud McCorkle
P O Box 3066
Early, TX 76803
325 641-8147
bmccorkle@leaksurveysinc.com
www.leaksurveysinc.com

History

- ❖ Over 12 years of R&D
- ❖ 5 years of actual field experience
- ❖ 5000 hrs logged survey hours
- ❖ 2008 completed first international pipeline survey

Why Fly?

- ❖ Proven method of leak detection
- ❖ No incidents – excellent safety record
- ❖ All pilots and camera technicians are OQC
- ❖ More economical than traditional methods
- ❖ Allows you to find problem areas faster
- ❖ Allows you to better utilize manpower
- ❖ Safer in that it eliminates unnecessary employee exposure to rough terrain
- ❖ Reduces product loss, increases profits

Equipment

- ❖ Robinson R44 helicopters mounted with IR camera
- ❖ Real time image (the camera technician actually sees the leak as it is occurring)
- ❖ Leaks are recorded to a digital hard drive
- ❖ GPS tracking of gathering system
 - ❖ GPS Overlay
- ❖ Continuing R & D

Applications

❖ **Transmission Lines**

- ❖ Quarterly aerial encroachment and leak surveys
- ❖ Semi Annual leak surveys
- ❖ Integrity Surveys
- ❖ Class Counts

❖ **Gathering lines**

- ❖ Master service agreements with several customers to fly specified systems within their operations

❖ **Barge Industry**

- ❖ Ship channels, inter-coastal waterways, mooring, loading and unloading

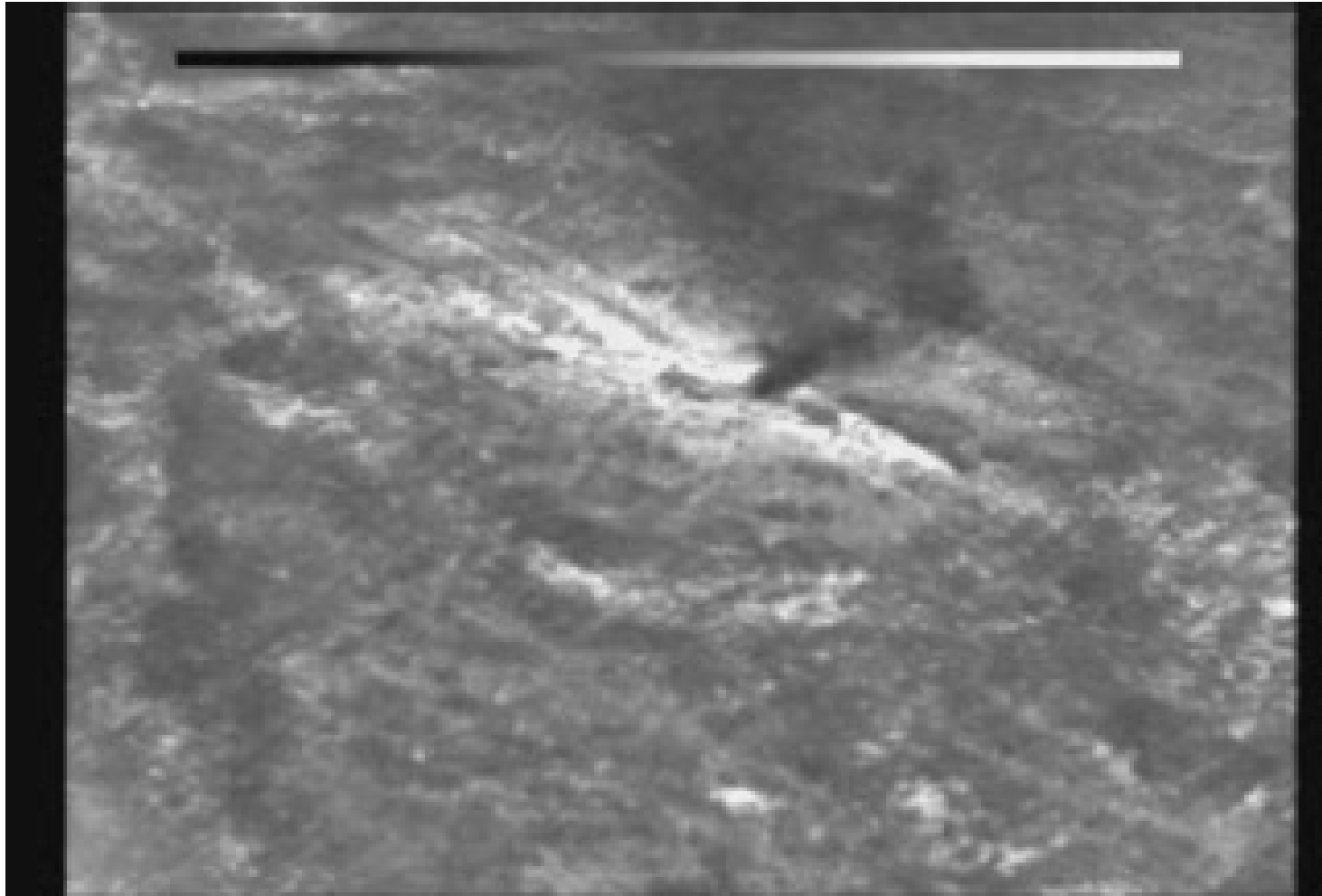
Survey Time!

- ❖ **What we actually do.**
- ❖ Morning safety pre-flight and fueling
- ❖ Contact local and federal authorities of our survey intentions
- ❖ Travel to start point
- ❖ Survey pipelines using DeLorme software
- ❖ Log leaks and record
- ❖ Notify company contact of major leak sources and/or safety issues as they are located
- ❖ Compile data into report back at LSI hdqtrs

Awards

- L.S.I. received the 2007 TCEQ's Environmental Excellence Award for Innovative Technology
- L.S.I. received in 2007 the E.P.A.'s Clean Air Excellence Award

What does a leak look like?



Leaks Cont.



Customer Comments

- ❖ “When Leak Surveys Inc. flies our pipelines, we make money!”
- ❖ “We get so much more out of the survey than just leak detection!”
- ❖ “Our operations are so much more efficient since we started using Leak Surveys Inc.”