

# INVESTIGATE YOUR LEGACY SEISMIC DATA



## INDUSTRY FACT:

Thirty years is the upper limit for magnetic tape products. However, life expectancies for storage media are similar to miles per gallon ratings for automobiles. Your actual mileage may vary.

- SOURCE: "Magnetic Tape Storage and Handling Guide", Accessed May 12, 2015 <http://www.cilir.org/pubs/reports/pub54/Download/pub54.pdf>

## BUSINESS CHALLENGE

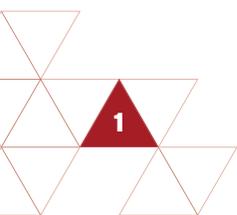
You have older seismic tapes, a lot of legacy seismic tapes. You know that the data contained on these tapes still has value. The subsurface materials that they represent have not changed. You could use the data contained on those tapes - to help you prioritize and target areas for additional study using newer seismic imaging technology, to re-analyze areas that are no longer available for new seismic testing due to development, to support the sale or lease of assets, etc. However, you also know that these tapes are rapidly approaching end-of-life, most likely due to binder degradation ('sticky tape') or substrate deformation ('vinegar syndrome'). You're responsible for getting the most value from your company's investment in subsurface research and data collection. It's a big responsibility, and a difficult job in the current hostile business climate.

## HOW THIS AFFECTS YOU

- ✓ You are expending resources to retain legacy seismic tapes, without getting economic value from the data contained on those tapes.
- ✓ Tapes that are beginning to undergo 'vinegar syndrome' deterioration threaten the integrity of the tapes co-located with them.
- ✓ You are not executing on your mandate to maximize the economic benefit of the investments that your organization has made to acquire subsurface information.

## WHAT IF YOU COULD...

- ✓ Quickly and easily access data contained on your legacy seismic tapes?
- ✓ Limit reshooting with newer seismic technology to only the areas you require it? Or, support a higher price from the sale or lease of field assets?
- ✓ Be confident that all of your seismic assets were safely stored under conditions that maximally slow deterioration of the magnetic media?
- ✓ Repurpose the space you currently use for seismic tape storage?
- ✓ Allow your personnel to spend their time on mission critical activities instead of managing your seismic tape library?





## CUSTOMER SUCCESS

A multinational oil and gas corporation, headquartered in the U.S. had a large overseas library of seismic data in old formats, on aged tapes. They needed to eliminate the risk of data degradation and make the information available for quick access.

Partnering with Iron Mountain enabled them to achieve these goals, making the data available for loading into modern online robot and disc systems, while reducing their long-term storage space requirements and costs.

### IRON MOUNTAIN SEISMIC TAPE MIGRATION SOLUTION

With this solution, you'll be confident in your ability to easily and quickly access the data you need from your legacy seismic tapes, when you need it. You'll have services available to index your seismic tapes. Our experienced personnel will utilize proven practices and a wealth of specialized equipment to stabilize your legacy seismic tapes. The data from the tapes will be transcribed onto modern media, in a format that can be read by modern devices.

Your seismic media will be stored in secure, climate controlled facilities with strong information security practices, business continuity procedures and role-based permissions that limit access to those with proper authorization. You'll have peace of mind knowing that you have fulfilled your mandate to maximize the economic benefit of the investments that your organization has made in acquiring subsurface information.

We provide specialized subsurface information asset storage and services in Houston, Texas; Calgary, Canada; Aberdeen, Scotland and Tananger, Norway. Iron Mountain services all of the super majors and 90 percent of the major oil and gas companies.<sup>1</sup> We have serviced the Oil & Gas Industry for more than 30 years and currently manage billions of Oil & Gas information assets, including more than 1 3/4 million cubic feet of drill core storage. Iron Mountain is the only information management company that can store and manage your seismic assets as well as your core samples, well logs and well files.

<sup>1</sup> Iron Mountain and Gartner data, 2013.

### IRON MOUNTAIN SOLUTION

- Consultation and agreement on media type and metadata capture
- Dehydration of the existing tapes to prevent potential stiction
- Transcription of 4 pallets of low density 3480 tapes and 9 track tapes onto 3592 cartridges
- Creation of a backup copy of each of the new tapes and storage of the 3592 cartridges in Iron Mountain climate controlled secure storage.

### ABOUT IRON MOUNTAIN

About Iron Mountain Iron Mountain Incorporated (NYSE: IRM) is a leading provider of storage and information management services. The company's real estate network of over 67 million square feet across more than 1,000 facilities in 36 countries allows it to serve customers around the world. And its solutions for records management, data management, document management, data center management, and secure shredding help organizations to lower storage costs, comply with regulations, recover from disaster, and better use their information. Founded in 1951, Iron Mountain stores and protects billions of information assets, including business documents, backup tapes, electronic files, and medical data. Visit [www.ironmountain.com](http://www.ironmountain.com) for more information.

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