SeisNOTES

A Newsletter From: ECHO GEOPHYSICAL CORPORATION INTEGRITY-STABILITY-INNOVATION **Vol. 10, Number 3**

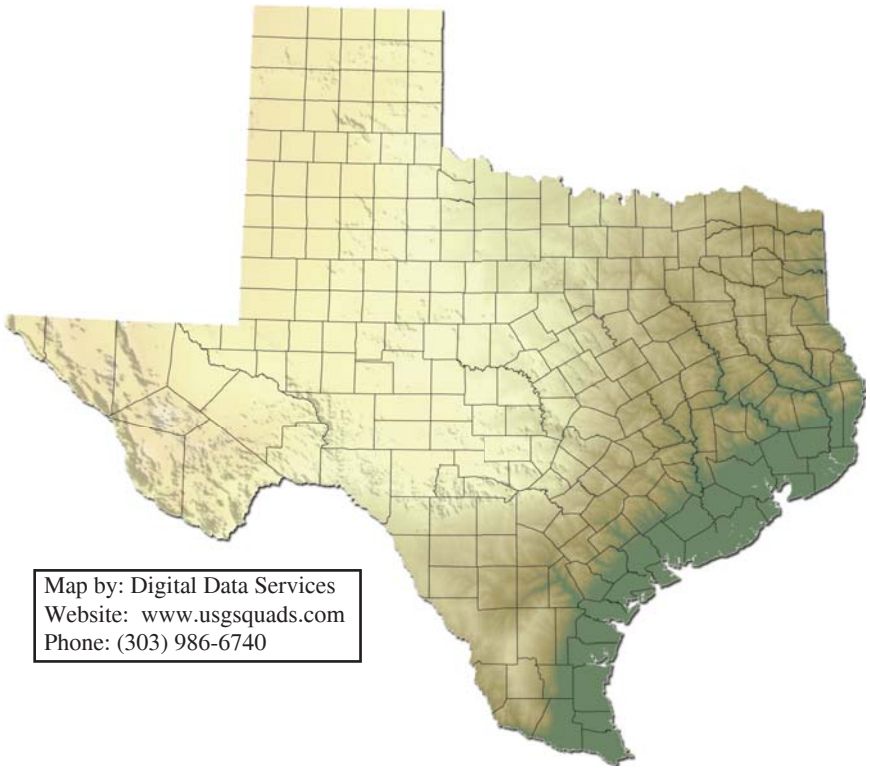
ECHO launches new 3-D Gulf Coast data pool

By Janet McGuire & Steve Gardiner

ECHO Geophysical

Launching a new 3-D proprietary data pool program is never easy. Consequently, ECHO Geophysical Corporation makes the best deals available to those companies that help get the program off the ground by contributing data during the initial phase. This opportunity exists now for the 3D Gulf Coast AVO Data Pool Program. "In the currently active initial phase of the 3D Gulf Coast AVO Program, the data exchange rate is very attractive," says Kent Johnson, Sales Manager in ECHO's Houston Center. He adds, "When a program is not abundantly populated, we have much more attractive deals for people who are willing to trade their data early in hopes that other surveys will be coming in."

Companies that obtain a lifetime membership to the program receive use licenses to all surveys currently in the program as well as all surveys added in the future. "People who enter the program early are betting that it will take off, and they will receive a very good return for their contribution. This has historically been a very good bet," says Johnson.



Map by: Digital Data Services
Website: www.usgsquads.com
Phone: (303) 986-6740

"Participation requirements will increase as more surveys are added to the program, so now is the best time to join as a lifetime member," says ECHO's Vice-President of Operations, Janet McGuire. "In the ten years I've worked at ECHO, I have never come across a person who felt they got anything less than an excellent return on their data or financial investment into one of ECHO's data pools," adds McGuire.

ECHO has been building data pools for more than 22 years, establishing an impressive track record for program growth. The older 3-D Gulf Coast Program, initiated in 2000, now contains over 65 surveys and has exceeded 2,200 square miles of data. Similar growth is expected for the new program that currently contains 3 surveys covering 114 square miles.

All available 3D Gulf Coast AVO Program surveys are processed free-of-charge by ECHO using modern processing methodology, increasing the value of the data. "If a survey is 20 years old," said Johnson, "it will be worth taking another look at because of the great advances in processing technology. We use pre-stack time migration and AVO processing as a matter of course in

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A Closer Look at ECHO: Rick Steineck

By Janet McGuire
ECHO Geophysical

Senior Analyst Rick Steineck and his dog, Axel, pose with their catch of kokanee salmon

Rick Steineck has worked at ECHO for 16 years. Rick, a senior processing seismic analyst, has been processing seismic data since 1980 and has been with ECHO since 1993. Since experience, commitment and loyalty of that level are so rare, we want to put the spotlight on Rick, letting you know a little about his work philosophy and his personal interests.

A year and a half ago, Rick and his wife Val moved from the Denver area to Grand Lake, Colorado, and opened a remote seismic processing center in a cabin near the home they have almost finished building. "I get the best of both worlds," Steineck said. "I get to live in a beautiful place and do the work I like to do." In addition to seismic processing, Steineck stays busy with the wealth of natural activities available outside his door. He enjoys hunting and fishing, and he and Val have spent much of the past year working on their home. They have built and finished hardwood floors throughout the house, gathered stones from the lake to build a fireplace, and placed tile in most rooms of the house.

Working from a home in the mountains on the western edge of Rocky Mountain National Park seems like a dream for many, but the Steinecks have made it work successfully. They have access to the Internet, FedEx, and can be in downtown Denver in two hours if they need to meet face-to-face with clients. "With the technology we have today, processing from a remote location is very easy to do," Steineck said. "This would not work with all jobs, but with seismic processing, it works very well."

Approaching three decades in the processing business, Steineck said he is still enjoying his work. "Seismic processing is very competitive. I am constantly looking for the edge to beat my competition. In a way, it is like a sport, although it deals mainly in technology. I love the competitiveness, and I don't have to be in downtown Denver to compete." Vice-President of Operations, Janet McGuire, agrees, saying, "Even in our industry's current lean times Rick stays busy all the time. He has a constant flow of work coming in from a very loyal client base because he never disappoints them. He and

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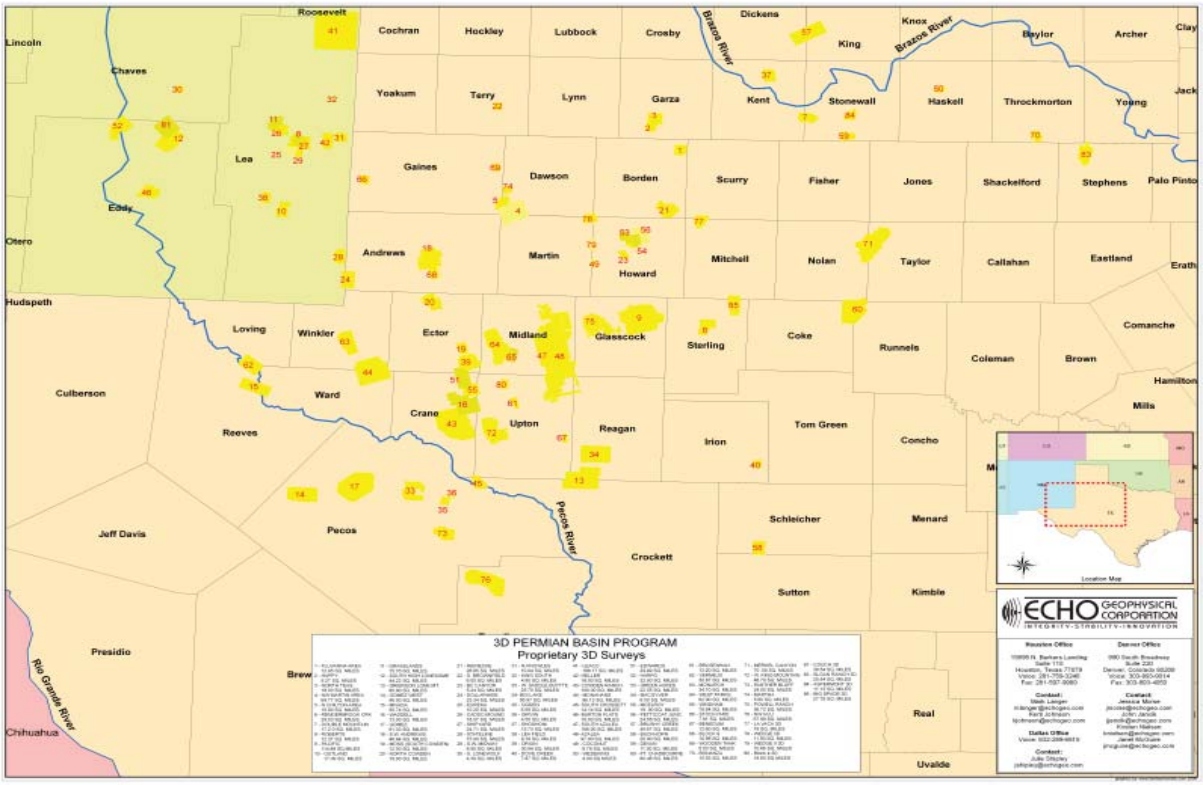
The 3-D Permian Basin Program: ECHO's Largest Data Pool



ECHO's 3-D Permian Basin Program contains 86 surveys and over 2,700 square miles

By Janet McGuire
& Alli Bannias
ECHO Geophysical

ECHO Geophysical Corporation's 3-D Permian Basin Program has come a long way since its inception in December of 2001. ECHO's most popular data pool is its 3-D Gulf Coast Program, but a surprising number of companies are unaware of the wealth of Permian data available through ECHO. The 3-D Permian Basin Program is now ECHO's premier proprietary data pool in terms of total square mileage and number of available surveys, surpassing data availability in ECHO's 3-D Gulf Coast Program. Growing steadily since its origination, the Program now boasts 86 3-D surveys and over 2,700 square miles of seismic data in Southeastern New Mexico and Western Texas. With oil prices on the rebound, now is a great time to take a serious look at this data pool.

The quality of re-processing work in the 3-D Permian Basin Program is something in which everyone at ECHO takes pride, and ECHO has spent the last couple of years upgrading its processing flows and available products in the Program. ECHO now offers not only pre-stack time migration on all available surveys in the Program, but also makes FreqEnhance™ (frequency enhanced) volumes available for an additional charge. Senior Processing Geophysicist Randy Jackson, who has a great deal of experience processing Permian data says, "The processing flow ECHO has chosen for the Permian 3D is one that enhances the data and helps in some of the problem areas. PSTM seems to work very well in the Permian, and the AVO products are very useful as well. Janet McGuire's talent of quality control on all datasets, not only in the Permian but all programs, is a great asset to the quality of data ECHO sends to all the clients." Geophysical Analyst Bob Vite, responsible for much of ECHO's recent 3-D Permian Basin processing work, also attests to the quality of the Program stating, "Our high quality imaging goes through a stringent QC process to insure confidence and consistency in the final migration and AVO volumes." According to President John Jancik, "ECHO Geophysical's efforts to re-process the 3-D Permian Basin Program data sets have yielded good results, as they have showcased our capabilities in such a large and com-

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Permian Program

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plex basin. Our proprietary processing business saw a significant increase in new projects after companies got a chance to seriously evaluate our Permian Basin experience and capabilities.

Due to economic changes the industry is experiencing, many companies are being cautious with spending and are watching budgets closely. The 3D Permian Basin Program assists in stretching budget dollars by offering incredible value, allowing companies to make a small investment into the Program while receiving a great deal of data in return. Bob Vite advocates the Program's value stating, "ECHO's 3-D Permian Basin Program is an attractive program for several reasons. In our current economic climate the Program is an excellent way for participants to maximize the use of reduced budgets. Additionally, it allows participants to capitalize on the opportunities in the Permian Basin as the economy once again begins to pick up with increased oil and gas demand. The 86 surveys that comprise the Program are distributed very well throughout the basin's producing counties, giving participants an outstanding data library to work with."

President John Jancik has high expectations for the 3-D Permian Basin Program and says, "ECHO is very pleased that this particular program has shown consistent and steady growth over the years. With 86 data sets now on contract, I believe the 100 survey mark is possible to reach within the next year." ECHO offers many creative data trade options to assist companies in finding new ways to capitalize on datasets that are not currently being utilized. Clients can contribute a survey or multiple surveys in exchange for a Lifetime or selected membership to the 3-D Permian Program or any of ECHO's data pool programs. ECHO's Vice-President of Operations, Janet McGuire, points out, "If the obvious value of the 3-D Permian Basin Program isn't enough of an incentive to trigger a given company's participation in the pool, consideration of potential gains should switch on the light bulb. We know that companies have successfully drilled for oil using seismic from this program as a discovery tool. That's the bottom line"

If you would like to learn more about the 3-D Permian Basin Program or view a survey listing and map of the data available, contact:

ECHO Geophysical Corporation
Phone: 303.893.9014
Email: marketing@ECHOgeo.com
Website: www.ECHOgeo.com.

Rick Steineck

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Val sometimes work crazy hours to do whatever it takes to make their clients happy."

Often, after processing data for several years, analysts move into administration, but Steineck prefers to continue processing. "With the technology we have today, we don't need as many people to do what we used to do. At one time, I was in charge of six people, and now I can do that much work by myself." Taking that work seriously and making the most of today's rapid computing resources, Steineck often pushes himself even harder by independently processing the same project twice before ever showing results to his clients. McGuire explains, "Rick compares his two independent processing efforts and chooses the strongest result to present to the client. This is a procedure Rick developed on his own, and I think it is brilliant. No two processing efforts produce identical results, even when they are performed by the same person, using the same software. Rick takes his processing work so seriously that he not only strives to edge out competitors, he even tries to beat himself!"

Of working at ECHO, Steineck says, "John (Jancik) has a lot of ambitious goals. Sometimes they are beyond what I would think doable, but we get them done. Because ECHO is a small company, we each have the autonomy to do what we need to do to help the company succeed. In a large bureaucracy, you don't have that leeway, and I believe that's how you get ahead in this business." McGuire adds, "No matter your business philosophy, no one can deny the success that Rick has had at ECHO, whether in Denver or in Grand Lake. He's an incredible asset to the company and is as good an employee as they come."

Rick Steineck can be reached at:
Office: 720.528.9299
Email: rsteineck@echogeo.com

Gulf Coast data pool.....continued from Front Page

this program, giving excellent results."

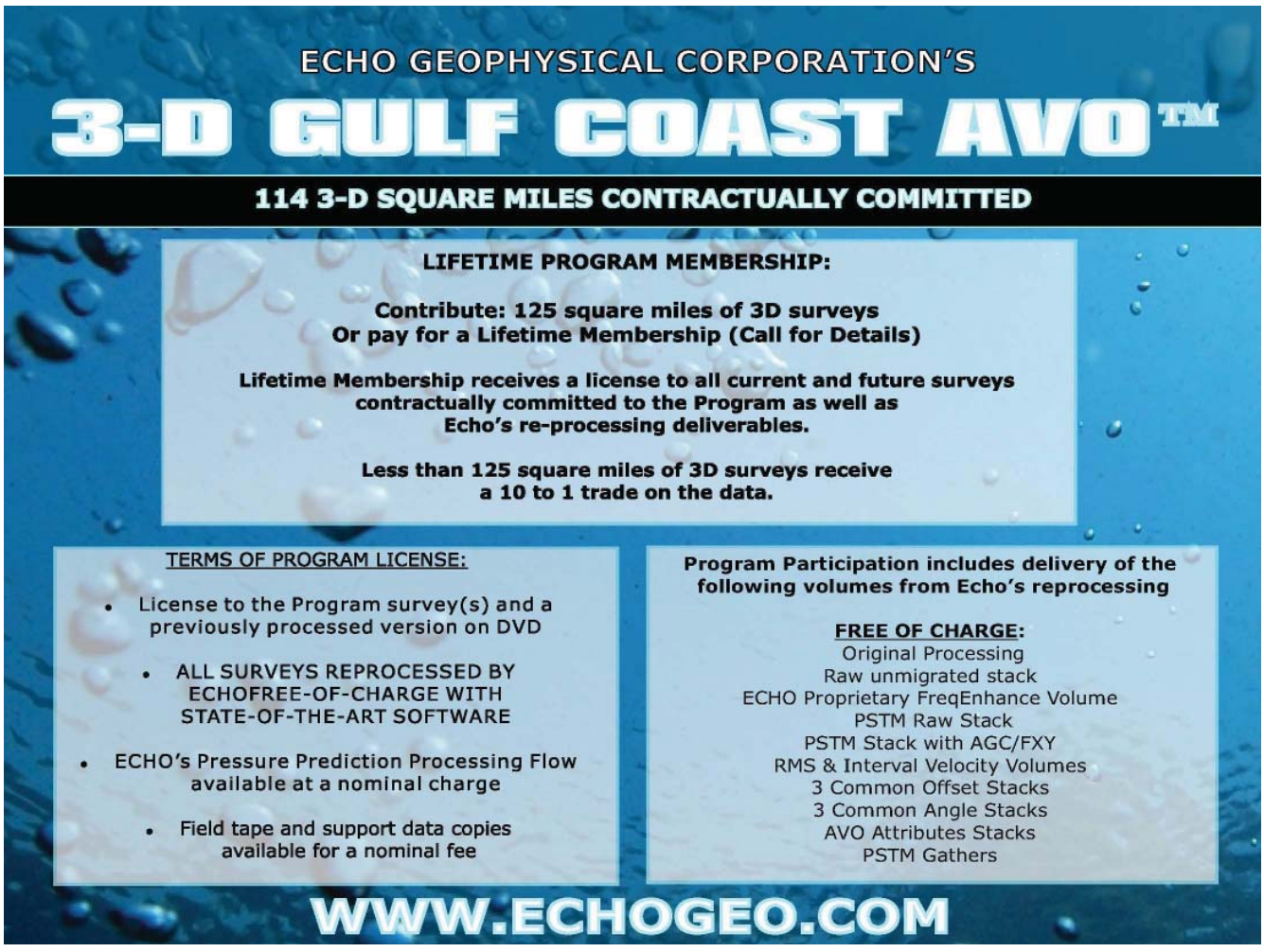
"This new 3D Gulf Coast AVO Program differs from the 3-D Gulf Coast Program initiated in 2000 in a couple of ways," explains McGuire. "First of all, as the name of the data pool suggests, all surveys in the program will be processed following generally accepted procedures to preserve relative amplitude variations. And, all available surveys will be processed through pre-stack time migration, followed by AVO analysis and attribute generation. Secondly, this program differs from the existing program in that it will contain a different collection of 3D surveys. Surveys that are included in the original program are not automatically incorporated into the new program. Likewise, participants in the current program do not automatically become members of the newer program. The new program is completely separate from the program that began in 2000."

The popularity of ECHO's programs is due, in part, to the fact that a company can leverage proprietary data that is not currently being utilized to access other companies' data they have been interested in using. As with all of ECHO's data pool programs, data contributors to the 3D Gulf Coast AVO Program maintain their ownership rights and can sell and trade their contributed data outside of ECHO's pool.

"Reduced exploration budgets are an unfortunate reality for many oil and gas companies these days," says McGuire. "Contributing data to ECHO's data pool programs is a great way for companies to acquire large amounts of seismic data without having to spend a dime on seismic acquisition or licensing fees."

For more information on ECHO's new 3D Gulf Coast AVO Program, please contact ECHO:

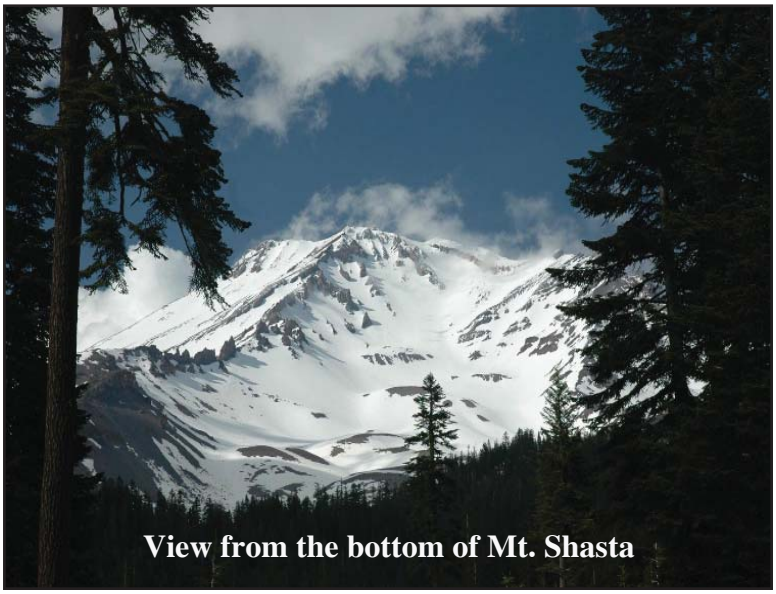
303.893.9014 - Denver
281.759.3246 - Houston



ECHO's Adventures

Mt. Shasta, California: June 13th, 2009

Mt. Shasta Team, from Left to Right:
Joe Sears, Jennifer Pauley, John Jancik, Steve Gardiner



View from the bottom of Mt. Shasta

ECHO GEOPHYSICAL CORPORATION
INTEGRITY-STABILITY-INNOVATION

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Summit of Mount Shasta (14,162 feet)
Left to Right: Steve Gardiner, Joe Sears, Jennifer Pauley

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100% of ALL donations pledged through the 50 For Tibet fundraiser will go directly to The Rowell Fund which provices grants to Tibetan citizens wishing to promote their endangered culture.
All expenses (including travel expenses) incurred by the high point adventure are paid by Team Highpoint.