Real Help for Your Company, Priceless Experience for a Student

What do companies say about their summer interns from the Futures in Energy Program?

Steve Williams, General Manger Tech. Operations, Questar E & P:

Darcy Souta, a junior at Green Mountain High School, joined our staff for a month in July, 2003. She worked with one of our geologists on a project to collect data about a particular unnamed zone in the Basal Lower Green River formation over a 36 section area in Uintah County, Utah in the Greater Wonsits Valley Field area. This data, more specifically gross sand and net pay data, was to be posted on a base map so that it could be contoured and interpreted, with recommendations made about its exploitation potential at a later date. Darcy utilized digital well log data which she viewed in the Cross Section module of GeoGraphix Explorer. Our geologist provided several examples of the zone of interest in a six well cross-section for Darcy to use as a "go-by". From this cross-section she was able to expand the cross-section to include wells which she would correlate the zone into. Once certain of her correlation, she would use the software to calculate the thickness of the gross sand interval based on her pick. Additionally, she would calculate the net pay thickness based on resistivity and porosity cutoffs. She would then post the net pay and gross sand values on a base map for the area. Darcy effectively demonstrated her aptitude for geologic correlation and analyzed in excess of 175 wells in an amazingly short period of time.

For the summer of 2004, we hired another Futures student, **Elisa Bovos**. She completed a similar project as Darcy and with excellent results. Elisa is currently a freshman in Petroleum Engineering at Colorado School of Mines.

We found that both students learned enough in her one week Futures in Energy course to hit the ground running; she had sufficient scientific and computer skills to tackle basic projects that are available in anyone's E&P shop with a reasonable amount of coaching.

Valerie Walker, VP Exploration, Ellora Energy Inc.

Shauna Seaman came to us as an accomplished, energetic, willing and enthusiastic student. She knew she was about to make major decisions in college, and as she put it, her "experience in science didn't go far past the classroom doors".

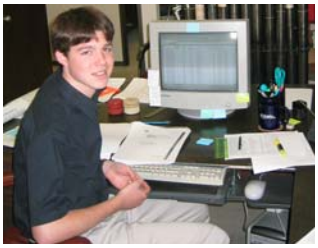
She came to Ellora to learn and to work. In a matter of days Shauna had mastered the heart of our geologic software package. She was given a field study in SE Texas. After working through the stratigraphy and structural picture, she discovered the field was more complicated than I had anticipated. The production was fault/fracture controlled. The results of her work caused me to rethink our exploration strategy in the area.

Shauna proved herself as an outstanding performer. Her desire to be challenged and to accept any task given her was exemplary. In fact, our CEO and COO were so taken with her research project write-ups, that they were forwarded directly to our New York partners.

Shauna was to work as an intern for four months. I offered her a job through her first year at CU. Unfortunately her plans took her to DU and thus Denver. I wish her the best and know she will work for it.

Robbie Gries, President, Priority Oil and Gas LLC:

We worried that hiring a high school student would require too much of our own time for training and that our small company would not benefit from the project. In actuality, because young students today learn computer programs with 100 times the speed of old foggies like me, we were able to set **Taylor Names** up with scanning and converting production data for us to use in development work, which proved to be a great time saving for our regular staff (though very boring for him!). In addition, Taylor adapted to PETRA software very quickly and developed some land maps for us. Though given some mundane tasks, Taylor was always pleasant, courteous, dependable and in good humor. We hated to see him go, and tried to entice him to work longer...but couldn't compete with a long planned family vacation. We, at Priority Oil & Gas, highly encourage companies to give these high school students a chance to contribute to your own office needs.



Todd Slawson, Operations Manager, Slawson Exploration Co., Inc.

Our Futures in Energy summer intern worked on a very interesting project—monitoring horizontal wells that were currently being drilled. He compiled statistics, drilling curves, categorized costs, built production graphs and calculated estimated ultimate recovery. **Mark Langille** is an incredibly sharp student with a great attitude. He was a joy to work with; everything I gave him he tackled with ease and did well. I told him that if he ever wanted to come back and work at Slawson, we would welcome him. Mark will make someone a great engineer if he decides to follow that path.

Steve Hollis, President, Double Eagle Petroleum Co.

Garen Murray represented the program as the highest quality of intern that we could possibly find. He was willing to work on every aspect of the project and learn about every aspect of the business. Garen is such a big help, we have used him part time since last summer. We plan to have another Futures in Energy intern once again during the summer of 2005, making it the third year in a row that we have utilized interns from the Futures in Energy program.

Steve Barnes, Manager of Operations, Fancher Oil LLC:

I found **McKay Easton** to be a very personable, motivated young man who completed projects with minimal instruction. He updated all of Fancher's production curves, and, after reviewing well performance with him, he prepared a reserve report for Fancher's properties using our economics program. Then he compiled the results using Word and Excel, being proficient in each of these programs.

McKay also researched problems with the performance of one of our fields by analyzing offset field data using the Wyoming Oil & Gas Commission website and analyzing production versus injection data to pinpoint the problem. He also prepared several spreadsheets to facilitate the handling of data using Excel.

Having McKay as an intern was very valuable to Fancher and it provided him with both a good work experience (it was his first job), and a glimpse of our industry that will shape his perception in a positive way.

James Prager was the third Futures in Energy High School student to intern for Fancher Oil in as many years. Each of these students have worked at Fancher for a one month period, immediately following the completion of the Futures In Energy workshop at Mines. All three interns were eager, quick learners, were highly computer proficient, and completed projects with minimal instruction. Because of our positive experience, Fancher plans to participate in this program indefinitely.

James was really a pleasure to work with because he had a great attitude and was very professional and enthusiastic. He was very careful in his work and the end product was always accurate. James' main project was to prepare the company reserves by updating all of our production, then analyzing the decline curves, reviewing and compiling all of the well cost and revenue information to put together a reserve report. He appeared to truly enjoy the project and the work experience and I believe this will provide him with a positive view of our industry.

We are looking forward to the 2006 Futures in Energy program and working with another talented young student.

Chad Odegard, Staff Petroleum Engineer, Williams Production Company:

All of us within the Piceance team of Williams Production felt that **Ryan Tracey** was an excellent fit for the Futures in Energy program. We all enjoyed his great personality and work ethic that he presented everyday. The team had him perform two different projects during his stay here and then presented his conclusions the last day. The first project was determining the total gas being produced out of the Piceance basin over the last 5 years. By using PI Dwights and the COGCC website, he gathered and presented by company and field where the outgoing gas was coming from. His finished project was then used by others with additional information to present in further meetings on the history and future projections of gas gathering. Ryan's second project was to database tubing depths throughout our 3 fields and perform an analysis of well performance compared to those depths. He had to use well files, PI Dwights, and Excel. Ryan's computer skills were very good, which is a must for any candidate in this program.

On top of the work we had Ryan performing, he also spent a lot of time with individuals learning what they did on a day to day basis. We saw this as an opportunity to familiarize him in the fields of Petroleum Engineering, Geology, Completions, Drilling, Production Engineering, Plant/Processing. He spent 4 days in the field (Parachute, CO) with many different people and disciplines. Everyone enjoyed him and commented that it was great to see young people interested in the petroleum field as a career.