

Engineer Interview

Susan Wray

- I. Describe who you interviewed:
 - A. What is your name?
 - Dan Hensley
 - B. What is your educational background?
 - Associate of Science - Mathematics & Pre-Engineering (1995, Oklahoma City Community College)
 - Bachelor of Science - Chemical Engineering (1998, University of Oklahoma)
 - C. What is your past work experience?
 - Operations Engineer, 5-years (1998 - 2002, Arco Oil & Gas and Phillips 66)
 - Reservoir Engineer, 8-years (2002 - 2010, ConocoPhillips and Chesapeake)
 - Manager - Resource Development, 3-years (2010 - 2013, Chesapeake)
 - Director - Corporate Reserves and Engineering Services, 3-years (2013 - 2016, Chesapeake)
 - Vice President - Exploration & Development, 3-years (2016 - Present, Ascent Resources)
 - D. Where are you currently employed and what is your job title?
 - Ascent Resources in OKC, Vice President - Exploration & Development
- II. Description of Problem solving Process Used:
 - A. What is the problem solving or engineering process you use as an engineer?

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- My role incorporates various sciences ranging from Geology & Geophysics to Economics ... and often Psychology. ;) The problem solving techniques / processes may involve simple math to advanced analytics, and often a combination of disciplines, sciences, and processes. Generating the best solutions to problems requires a balance of thinking both intelligently and rationally.

B. How did you learn that process?

- The school of my life ... childhood, adulthood, education, and career. And my wife!

III. Analysis:

A. What types of problems do you encounter?

I like to refer to these as opportunities rather than problems ;)

- What is the range of expectations from a new geologic horizon? Is it accretive to the company? Do we invest risked capital to explore / exploit or allocate capital to lower risk investments?
- Where, when, and how do we develop (drill, complete, and produce) our assets? What is the right pace and sequencing of development? Why?
- Predict production, costs, and cash flow from existing operations and new developments. What are the associated risks and upside potential of predictions?
- Who gets a window office versus an interior office? ;)