|  |  |
| --- | --- |
|  | **Justin Gosses**  | 1015 Aurora Street, Houston, Texas 77009 USA | 1-281-755-7536 | jgosses82@gmail.com | https://www.linkedin.com/pub/justin-gosses/7/b3/b7a |
| **Summary** | |
| Successful petroleum geologist who takes pride in making accurate predictions and being able to rapidly contribute in multiple basins and play types. Expertise in sedimentology and stratigraphy shared through talks, core viewings, field trips, and technical coaching. Has taught best practices and created new workflows to solve difficult problems. Record of business impacts across exploration, appraisal, development, and production. Collaborates effectively with my immediate team, other disciplines, and staff in other offices to deliver integrated products enabling clear business decisions.  Seismic interpretation Analysis of resource size, uncertainty, and risk  Sedimentology and stratigraphy Ability to understand and describe complicated geology  Technical coaching Collaboration with staff in other disciplines and offices | |
| **Professional experience**  ***BP Exploration and Production Inc.*** South America Regional Exploration, Houston, 2014 – 2015 *Geologist planning efforts of multidisciplinary team exploring multiple deepwater basins in Brazil.*   * Interpreted seismic, potential fields, analog studies, mud logs, and well logs to build depositional environment, play fairway, and risk maps that drove exploration focus. * Created new salt and structural model that explained previously unexpected well results. * Devised a rock quality workflow that flagged potential risks earlier in frontier basin evaluation than typically would occur if following standard practices, saving the company time. * Participated in seismic purchase decisions and seismic contractor processing reviews. * Evaluated data rooms. Integrated petroleum systems and geophysics. Made recommendations. * Trained junior geologist on salt interpretation, seismic mapping, and log interpretation. * Successfully shared, collaborated, and coordinated with several multidisciplinary teams in US and UK to build knowledge, identify risk, and delineate opportunities.  Regional Oil Sands, Calgary Canada, 2012 – 2013 *Improved and executed methods for fast resource appraisal of assets owned by others. Built regional stratigraphic framework. Evaluated farm-in proposals.*   * Collaborating with others, used code and excel to test and develop methods for calculating heavy oil resources in thousands of wells, faster than could be done with petrophysical software. * Integrated logs, core, ichnology, and biostratigraphy. Built cross-sections with hundreds of wells enabling regional correlation of smaller field-scale stratigraphic frameworks. * Identified relationship between log and seismic facies enabling prediction outside well control. * Coached junior geologist on GDEs, core description, log correlation, and communication.  Na-Kika Platform Gulf of Mexico, Houston, 2010 – 2012 *Started as junior geologist and finished responsible for all geologist activities. Appraised development options for multiple fields that tie into Na-Kika and evaluated exploration targets.*   * Appraised development scenarios with geophysicists, reservoir engineers, facility engineers, and commercial analysts, landing a long-term asset plan that extended economic platform life. * Built and modified static and dynamic reservoir property models with reservoir engineers. * Created thin-bedded pay methodology integrated with seismic net pay that increased reserves. * Reduced prospect risk through coherency, spectral decomposition, and other seismic attributes. * Collaborated with drilling engineers to land well objectives and trajectories. Delivered well initiation documents, pre-drill prognosis, post-well reviews, and real-time monitoring.  Subsurface Technology, Houston, 2009 – 2010 *Acted as consultant loaned to multiple conventional and unconventional teams for stratigraphic and geologic interpretation, delivering products to agreed timelines and budgets. Customer focus.*   * Built static reservoir model supporting billion dollar development decision in Gulf of Mexico. * Quantified the ability of exploration methods to predict spatial distribution of economic unconventional resources using production datasets from major North American fields. * Applied spectral decomposition and stratigraphy to analysis of a dry hole. Identified cause as localized, resulting in continued drilling and additional discoveries. * Developed sequence stratigraphic regional framework that provided context for field redevelopment. Challenged accepted interpretation, later verified as correct by biostratigraphy. * Built summary of coal bed methane stratigraphy concepts critical to exploration and appraisal.  Regional Gulf of Mexico Exploration, Houston, 2007 – 2009 *Improved regional exploration knowledge through seismic mapping and maintaining databases.*   * Updated structural understanding of Western Gulf of Mexico via seismic mapping. * Improved petroleum systems geochemistry database. Corrected data and input methodology. * Received formal recognition for quality of prospect description.  Wamsutter Gas Field, Houston, 2006 – 2007 *Geologist on team appraising remaining resources and designing depletion plans in a tight gas field*.   * Improved understanding of depletion prediction uncertainty through stochastic analysis of offset well pressures and stratigraphy. Correlated well logs at production scales.  Internship, Gulf of Mexico, Houston, 2005 – 2005 *Evaluated software packages for pore pressure analysis and prediction.*  **Software**  Landmark Software Suite, Petra, and Geographix (2D and 3D interpretation); Oracle databases; RMS (3D reservoir modeling); Geoprobe and Decision Space (well planning); ArcGIS; BP risk/uncertainty software; XRD, XRF, and SEM acquisition and analysis; Canvas and Adobe Illustrator (figures); Excel, Sed/Awk, and Python (data manipulation and programing).  **Education**  **Masters of Science**, Geosciences, 3.7 GPA – 2006 – University of Wisconsin - Madison  **Bachelors of Science**, Geology, Honors, – 2004 – Franklin and Marshall College, Pennsylvania | |