ESA Geologic Consulting
A Complete A&D, Development and Operations Team

Basin and Field Assessments

Competitor Spacing Analysis
- Geology, completions and production analysis of relevant multi-well development tests

Multivariate analytics
- Tailored to identify key production drivers or drilling efficiencies

Mapping

Petrophysics
- Mineral models, log normalization, pressure mapping and other key reservoir characteristics

Net Pay Maps
- Based on specific cutoffs for different basins that match production

Structure Grids
- Including fault gaps

Development

Well Placement
- High grading landing zones based on petrophysics and parent well interference

Well Inventory Analysis
- Precise inventory build-outs with parent well and geologic considerations

A&D
- Creating acquisition and/or divestiture geologic presentations including high graded acreage maps by zone based on net pay and petrophysics
- Advising every step of the A&D process

Real-Time Drilling Operations

Geosteering
- Accurate interpretations based on all of the available data
- Confident decision making with pre-drill structure mapping and gridding, and incorporation of seismic data
- Remote or onsite teams to match the preferred workflow of each client
- Dedicated or shared teams offer the best value based on rig count

Wellsite Geology
- Track crucial information from cuttings and rig sensors
- Streamlined mudlogging process produces reliable and consistent results
- Online reporting allows clients to access their data anywhere, anytime using a computer, tablet or smartphone
- Effective communication keeps everyone on the same page
- Multiple layers of oversight with experienced management

Post-Drill Analysis

- Gunbarrel cross sections with key spacing information and 3D views of all new drills and parent wells
- ROP and MSE optimization
- Multivariate analysis using position in zone and drilling data
- XRF analysis

We also offer software setup and database organization with Kingdom, StarSteer, PETRA, Transform, and other programs.
Management Team

Vandy Blue Spikes, PhD - President
17 years of scientific and technical consulting experience

Jason Anderson – Chief Exploration and Development Geologist
15 years of exploration, development, and A&D experience

Dan Moore – Geologic Advisor & Chief Data Scientist
8 years of exploration, development, A&D, and multivariate statistical modeling experience

Scott Hampton – Geoscience Services Manager
9 years of operations, development, A&D, and geosteering experience

Hannah Hubert – Geoscience Operations Manager
5 years of operations and geosteering experience

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Extensive Experience in the Rockies and Mid-Continent Basins