



Andrew Brillon

Marine Geophysicist

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TDI-Brooks International, Inc.

14391 S. Dowling Rd, College Station, TX 77845

Ph: (979) 693-3446 Fax: (979) 693-6389

www.tdi-bi.com

PROFESSIONAL EXPERIENCE

- Marine Surveyor, TDI-Brooks International, Inc., 2023 - Present
- Marine Surveyor, Fugro Marine USA, 2021 – 2022
- Environmental Geophysicists, TxDOT, 2019, 2020
- Environmental Geologist Intern, Hydrex Environmental, 2017

KEY ACHIEVEMENTS – TDI BROOKS INTERNATIONAL, INC.

- Experience with Qinsy navigation software system and the planning of survey traverse lines
- Experience with iXblue GAPS USBL software system
- Experience with Applied Acoustics PYXIS USBL software system
- Gaining competency in NORBIT MBES and Innomar SBP software systems
- Experience with the recovery and deployment process of towed vessel equipment (Edgetech® SSS, Geometrics® TVG, GeoMarine Survey Systems® Multi-Layer Sparker, USBL transceiver over-the-side deployment pole, MBES and SBP vessel moonpool mounts)
- Proficient in file and data management during survey operations
- Proficient in maintaining up-to-date and accurate vessel survey logs
- Submit daily HOC cards recording observations regarding safe and/or unsafe situations or actions
- Attend daily safety meetings, vessel emergency drills, and project briefings
- Proficient in communicating with vessel bridge crew as well as PSO or FLO onboard

KEY ACHIEVEMENTS – FUGRO MARINE, USA

- Developed comprehensive knowledge of survey positioning services in the offshore oil and gas industry
- Regularly carried out pre-site investigations utilizing multibeam imaging and side scanning sonar to characterize seafloor features and identify potential geohazards
- Responsible for installing, calibrating, and operating subsea survey sensors for real-time positioning of vessels and remotely operated vehicles
- Routinely tasked with mobilizing and configuring submersible or semi-submersible vessels with Fugro Starfix® marine navigation software
- Routinely monitored vessel position and data quality of underwater acoustic positioning systems for geophysical and bathymetric surveys
- Supervised the planning and acquisition of pre-processing seismic data, operation and maintenance of recording systems, and quality control of all navigation data
- Maintained clear and effective communication with client representatives and project managers while remotely operating at sea
- Offshore certification: OPITO BOSIET (CA-EBS), IADC RigPass, Qualified Rigger API RP 2D, Swing Rope/Personnel Transfer, First Aid/CPR/AED/BBP, Fall Protection
- TWIC holder

KEY ACHIEVEMENTS – TxDOT

- Completed land reconnaissance assessment phase survey evaluating and characterizing natural or anthropogenic geohazards in karst terrains associated with the infrastructure development of proposed highway route
- Conducted 2D electrical resistivity geophysical surveys to characterize the subsurface infrastructure and development of subsurface karst features



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KEY ACHIEVEMENTS – HYDREX ENVIRONMENTAL

- Project lead for internship exploration project prospecting regional development of mineable commodities
- Digitized, constructed and maintained companies regional database of geophysical wire logs
- Performed monitor well installation during assessment phase of leaking underground storage tank

FORMAL EDUCATION

- M.Sc., Geology & Applied Geophysics, Stephen F. Austin State University, Nacogdoches, TX.
- Minor: Geospatial Science
- B.S., Geology, Stephen F. Austin State University, Nacogdoches, TX.,
- Minor: General Business

PROFESSIONAL SKILLS

- ESRI ArcGIS, ERDAS IMAGINE, QGIS, StarfixNG, Qinsy
- Applied Acoustics Pyxis USBL, iXblue GAPS USBL, SonTek CastAway-CTD, Trimble GNSS
- MS Office (Excel, Outlook, PowerPoint, Word)