

James Kevin Swart

Geoscientist – Applied Geophysicists

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TDI-Brooks International, Inc.

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www.tdi-bi.com

PROFESSIONAL EXPERIENCE

- Geoscientist – Applied Geophysics – Senior Technical Lead, TDI-Brooks International, Inc. 2017 to Present
- Geoscientist – Applied Geophysics – Technical Geophysical Lead at TerraSond Limited, 2015 to 2017
- Senior Technical Geophysical Lead & Client Representative - Swart Geosciences, LLC., 2011 to 2015
- Senior Field Operator / Technical Advisor - Swart Private Contractor – 2001 to 2011
- Senior 2D/3D Seismic & Geophysical Party Chief – Fugro GeoServices, Inc., 1994 to 2001
- Geophysical Party Chief – John E. Chance and Associates, Inc. 1988 to 1994
- Technical Operator / Bench Technician – LaQue Center for Corrosion Technology, Inc., 1985 to 1988

PROFESSIONAL SUMMARY

- 30 Cruises over the past 7 years as Technical Lead and Or Party Chief conducting Geophysical, Geotechnical, and Environmental Operations with TDI-Brooks International, Inc.
- 5000 plus Cruises as Geophysical Party Chief in 33-year Career.
- Currently participating in the development of micro-electronics to improve subsea remote sensing.
- 34 years' experience providing technical geophysics solutions as they apply to Geophysical and Geotechnical surveys worldwide.

KEY ACHIEVEMENTS - TDI BROOKS INTERNATIONAL, INC.

- 2DHR/UHR Seismic Survey Systems Operations/Maintenance
- Multibeam Operations and Factory Upgrades
- Side Scan Sonar Survey Systems Operations/Maintenance
- Magnetometer Survey Systems Operations/Maintenance
- T-Bar Operations/Maintenance
- Development of Electronic Sensors for Subsea Remote Sensing
- Management of Subsea Geophysical Survey Equipment.
- Drilling & Shallow Gas Hazards Survey Expert
- TDI-Geophysical Technical Lead and Party Chief
- Geophysical Technical QA/QC Lead

FORMAL EDUCATION

- Applied Science in Marine Technologies, Marine Geophysics, Oceanography and Water Chemistry, 1984-1984
- Cape Fear Technical Institute, Wilmington North Carolina, University of North Carolina, 1986

PROFESSIONAL TRAINING/CERTIFICATIONS

- Marine Firefighting Louisiana State University
- Soldera G.I. Airgun School, Soldera Houston, Texas
- Input -Output Shooting Control School, Houston Texas
- Basic Offshore Survival and Emergency Training – Flack Alford
- Learn to Return and Cold-water Survival Training – Anchorage Alaska

- OSHA Mine Safety Training - Anchorage Alaska

PUBLICATIONS

- 1994 Theory of Operation of Marine Proton precession Magnetometers
- *By James Kevin Swart* – Training at John E. Chance and Associates, Inc.
- 1986 Tidal backflushing and mixing of the Cape Fear, Northeast Cape Fear and Black Rivers using Natural Fluorescence as a Tracer.
- *By Caroline Gilman Bryan, Michael Smith and James Kevin Swart, at the University of North Carolina at Wilmington.*

FURTHER STUDIES IN THE FIELD OF GEOPHYSICS

- 1994 Theory of Operation of Marine Proton precession Magnetometers, *By James Kevin Swart* – Training at John E. Chance and Associates, Inc.
- 1986 Tidal backflushing and mixing of the Cape Fear, Northeast Cape Fear and Black Rivers using Natural Fluorescence as a Tracer., *By Caroline Gilman Bryan, Michael Smith and James Kevin Swart, at the University of North Carolina at Wilmington.*

FIELD EXPERIENCE

- Technical Lead / Operator, Drilling Hazards Survey for Trident Energy, Gulf of Guinea, West Africa, R/V Proteus, 21 November 2020 – 22 January 2021
- Technical Lead / Operator, US Wind Sea Trials, Gulf of Mexico, USA, R/V Brooks McCall, 23 March – 26 March 2020
- Geotechnical Operator – T-Bar, Box Cores, and 6-meter Piston Cores for Total-Ocean Infinity, Gulf of Guinea, West Africa, M/V Norman Frontier, 21 November 2019 – 6 January 2020
- Technical Lead and Operator for the Colt Export Pipeline Route Archeological and Hazards survey, Gulf of Mexico, “Phase II” USA, R/V Brooks McCall, 14 August 2019 to 23 October 2019
- 2D High Resolution Seismic Operator / T-Bar Operator for Total – Oceaneering International, Inc., Gulf of Mexico, “North Platte”, USA, M/V Ocean Project, 16 July 2019 – 08 August 2019
- Technical Lead / Operator for the Sentinel Export Pipeline Route Archeological and Hazards Geophysical Survey, Gulf of Mexico, USA, R/V Brooks McCall, 12 March 2019 – 7 May 2019
- Technical Lead, Italian Cable Route “Assessment” Geophysical Survey, French Guadeloupe, Caribbean Sea, R/V Proteus, 20 January 2019 – 19 February 2019
- Technical Lead and Operator for the Colt Export Pipeline Route Archeological and Hazards survey, Gulf of Mexico, “Phase I” USA, R/V Brooks McCall, 16 October 2018 – 17 November 2018
- Technical Lead / Operator for a Pemex Abandon Field before Purchase appraisal using a Side Scan Sonar and Magnetometer Geophysical Survey Offshore Del Carmen Mexico in the Gulf of Mexico, M/V Laguna Azul, 15 September, 2018 – 7 October 2018
- Party Chief on a 2DHR Seismic Assessment of Drilling Geohazards Survey, for Pemex & Oceaneering Mexico, Offshore Del Carmen, Gulf of Mexico, M/V Laguna Azul, 21 July 2018 – 26 August 2018
- Geotechnical T-Bar Operator for Total – Oceaneering International, Inc., Gulf of Mexico, USA, M/V Ocean Project, 5 June 2018 – 15 June 2018
- Side Scan Sonar/Magnetometer Operator-EBS Deck Hand for Total, Offshore Del Carmen Mexico, Gulf of Mexico, M/V Marias, 31 March 2018 – 13 April 2018
- SUV Remote Vessel Operator for TAMU/Texas A&M Bathymetry Survey, Carlos Lake, Texas, 17 March 2018

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- Party Chief on a 2DHR Seismic Assessment of Drilling Geohazards Survey, for Apache/GEMS, Gulf of Mexico, USA, M/V Brandon Bordelon, 20 January 2018 – 21 February 2018
- Technical Lead and Side Scan Sonar Operator for Creocan/Total, Environmental Assessment of Reefs Offshore French Guyana, South America, R/V Proteus, 4 November 2017 – 28 November 2017
- Party Chief on a 3DHR Land Seismic Survey to locate Fallen and Collapsed Coal Seams on Jumbo Mountain, Alaska, USA, 30 October 2017 – 03 November 2017
- Party Chief on a Geophysical/Geotechnical Cable Route Assessment Survey for GCI, in the Bering Sea, Cable Route between Islands the Aleutian Island Chain, Along with Conventional Geophysical Equipment, a C-Worker AUV was launched and preformed simultaneous operations, Aleutian Islands, Alaska, USA,
 - R/V Woldstad, 22 August 2017 – 05 October 2017
- Technical Lead / Surveyor for Alcatel on the North Slope, at Oliktok Point Cable Lay and Landing, Offshore Alaska, ENI Base Camp Oliktok Point, 29 July 2017 – 4 August 2017
- Party Chief on the Quintillion North Slope Cable Lay, 6 cable lays from Nome, Alaska all the way North to Oliktok Point, North Slope Alaska, USA, onboard the “Cable Lay Barge” C/B Networker 28 June 2016 – 21 October 2016
- Technical Lead/Side Scan Sonar/ Chirp/ Magnetometer Operator on a Pipeline Burial Assessment Survey for Williams Pipeline, offshore Texas Gulf of Mexico, M/V Badger, 2 May 2016 – 15 May 2016
- Seismic Party Chief for a 2DHR Drilling Hazards Assessment Survey offshore Mexico, for Pan America / Oceaneering International, Inc. Gulf of Mexico, M/V Cape Lookout, 10 April 2016 – 17 April 2016
- Party Chief on a Geophysical Drilling Hazards Assessment Survey for G3OG, Gulf of Guinea, West Africa, R/V Gyre, 12 January 2016 – 02 February 2016
- Party Chief on a Multi-beam Seep Hunt Survey, for Tullow Oil, Plc., offshore Jamaica, Caribbean Sea, R/V Geo Explorer, 29 April 2015 – 15 June 2015
- Technical Lead transfer of TDI Survey equipment from the R/V Gyre to the R/V Geo Explorer, Transit from Cartagena Columbia to Trinidad, 2 January 2015 – 18 January 2015
- Party Chief on a Multibeam Seep Hunt Survey, Offshore Honduras, R/V Geo Explorer, 14 November 2014 – 27 November 2014
- Party Chief on a Geotechnical pipeline route survey, for MARSEK OIL, Gulf of Guinea, offshore Luanda, Angola, West Africa, R/V Rylan T., 19 September 2014 – 15 October 2014
- Multi-beam repair, for TDI-Brooks International, Inc., Chaguaramas Harbor, Trinidad, R/V Gyre, 12 July 2014 – 31 July 2014.
- ADP Operator for TDI-Brooks, International, Inc., Offshore Cartagena, South America, R/V Proteus, 19 June 2014 – 03 July 2014
- Technical, QA/QC Client Representative on an AUV Hazards survey, North Platte Prospect, for Cobalt Energy, M/V Emma McCall, 01 April 2014 – 01 June 2014.
- Party Chief on a 2-year Geophysical Hazards Survey Program, for Chevron Limited Nigeria, LTD, R/V Gyre, 29 June 2013 to 25 April 2014. One of two PC’s on rotation.
- Senior Lead Seismic and Geophysical Technician, on a Multi-Block Geohazards Program for Afren, Plc., R/V Gyre, 04 January 2013 – 25 May 2013.
- Technical, QA/QC Client Representative on a 2DHR Seismic Geohazards survey for Centrica Energy, Offshore Trinidad, R/V Geodetic Surveyor. 13 September 2012 - 10 October 2012
- Technical, QA/QC Client Representative on an AUV Hazards survey for Nobel Energy, Gulf of Mexico, USA,
 - R/V Miss Ginger, 01 November 2012 – 01 June 2012
- Technical Lead and Shore Support Anti-Mine, Side Scan Sonar Survey, for MITRE Research Corporation, Offshore Chesapeake Bay, Maryland, USA, Shore Side, 01 December 2012 – 12 December 2012