BRYCE P. TORRES

GIS Advisor & Sr. GIS Analyst | Tulsa, OK | 918-991-9458 | bryceptorres@gmail.com

PROFESSIONAL SUMMARY

GIS Advisor with 15+ years of progressive experience designing and administering enterprise GIS solutions in the oil and gas industry. Skilled in ArcGIS Enterprise architecture, geodatabase design, and mobile data collection workflows that drive operational efficiency and cost savings. Proven track record of delivering complex spatial solutions from advanced Survey123 applications to enterprise integrations that transform manual processes into automated, scalable systems. Known for bridging technical GIS capabilities with business objectives, leading cross-departmental initiatives, and mentoring teams to maximize spatial technology adoption.

CORE SKILLS

Enterprise GIS Administration: ArcGIS Enterprise Architecture, Portal Administration, Enterprise Geodatabase Design (Domains, Subtypes, Relationship Classes), Versioned Editing Workflows, Data Migration & Consolidation, System Security & User Management, Performance Optimization

Development & Automation: Survey123 Connect (JavaScript, Arcade, Pulldata), Power Automate (Desktop & Cloud), ArcGIS API Integration, Spatial SQL & Database Queries, Experience Builder & VertiGIS Customization, Arcade Expressions, Feature Service Configuration, Automated QA/QC Processes, ETL Workflows

Data & Analysis: Spatial Analysis & Modeling, Image Services & Mosaic Datasets, Temporal Data Analysis, LiDAR & Remote Sensing, Network Analysis, Geocoding Services, CAD-to-GIS Integration, Production Data Mapping, Environmental Impact

Enterprise Solutions: Web Applications (Experience Builder, Dashboards, VertiGIS Studio), Field Mobility (Survey123, Field Maps, Workforce), Real-Time Dashboards & KPI Tracking, Power BI Integration, Cross-System Integrations (Quorum, Procount, FlowCal, Enverus), Emergency Response Systems, Executive Reporting

Oil & Gas Expertise: Regulatory Compliance (TRRC), Right-of-Way & Easement Management, Well Planning & Spacing, Production Analytics, Pipeline & Facility Mapping, Lease Boundary Management, Environmental Permitting, Air Quality Compliance, Land Survey Integration

Leadership & Strategy: Change Management & User Adoption, Vendor & Consultant Management, Cross-Departmental Collaboration, Team Mentoring & Training, Technical Documentation, Data Procurement & Licensing, Mobile Device Management

EXPERIENCE

GIS Advisor

Vital Energy — Tulsa, OK | (2025-Present)

- Architected enterprise geodatabase schemas with complex domains, attribute rules, subtypes, and relationship classes to support cross-department data standardization and operational workflows.

- Managed vendor relationships with Esri and third-party consultants to coordinate software upgrades, licensing agreements, and technical support.

- Led the redesign of the air-quality inspection workflow using Survey123, Workforce, and Dashboards, eliminating consultant reliance and saving $100,000+ annually.

- Built advanced Survey123 Connect applications with custom schemas, automated calculations, and integrated feature services to increase accuracy and reduce manual data entry.

- Partnered with EHS, Midstream, Drilling, Production, and Air Quality teams to expand mobile data-collection capabilities and standardize field reporting.

- Led development of the Field Design web workflow, enabling land, facility engineering, and electrical teams to collaborate and spatially plan future projects within a shared web map environment.

Sr. GIS Analyst & Data Visualization

Vital Energy — Tulsa, OK | (2016–2025)

• Led multiple enterprise data migrations, consolidating datasets into unified SDE geodatabases.

• Administered ArcGIS Enterprise and enterprise geodatabases, overseeing Feature Services, Map Services, and automated data updates to ensure accurate and reliable enterprise data.

• Partnered with IT to lead Esri Enterprise upgrades, transitioning environments from internal to external networks to support new applications and integrations.

• Migrated company web maps to VertiGIS Studio, improving usability and driving adoption to 50%+ across the organization.

• Developed custom VertiGIS workflows for land and operations teams to streamline well and facility planning in the Field Design environment.

• Integrated GIS with enterprise systems (Quorum, Procount, FlowCal, SiteView, Enverus), improving data flow and multi system analysis.

• Built Power Automate flows for One Call submittals, frac notifications, AI assisted survey plat checks, and regulatory processes, reducing manual workloads.

• Mentored junior GIS staff and trained non-GIS employees across operations, engineering, and regulatory teams on spatial tools and best practices.

GIS Analyst

Vital Energy — Tulsa, OK | (2014–2016)

• Managed enterprise geodatabases, company web maps, Texas 811 One Call workflows, and T4 filings to support operations and regulatory compliance.

• Updated spatial datasets from AutoCAD drawings and field sources, ensuring accurate representation of wells, pipelines, utilities, and conducted topology checks on our road network.

• Utilized Spatial Analyst and Network Analyst extensions for proximity analysis, routing optimization, and site suitability modeling.

• Led companywide GIS training sessions, improving user adoption and understanding of web maps and spatial tools.

GIS Analyst

Samson Resources — Tulsa, OK | (2011–2014)

• Maintained pipeline and facility datasets, company web maps, Texas 811 One Call workflows, and T4 filings; imported and updated spatial data from AutoCAD to ensure accurate representation of wells, pipelines, roads, and utilities.

• Led internal GIS training on web maps and mapbooks and supported field data collection using GeoXT GPS units to integrate accurate location data into enterprise GIS.

Contract GIS Coordinator

Williams Midstream — Tulsa, OK | (2010–2011)

• Converted internal shapefiles into customized KML layers for Google Earth and processed LiDAR/DEM data to support elevation and slope analysis.

• Created detailed maps for internal engineering and field teams and trained Williams employees nationwide on GIS and Google Earth tools.

EDUCATION

University of Kansas – Lawrence, KS

Dual B.A. in Geography (GIS emphasis) & Environmental Studies (2010)