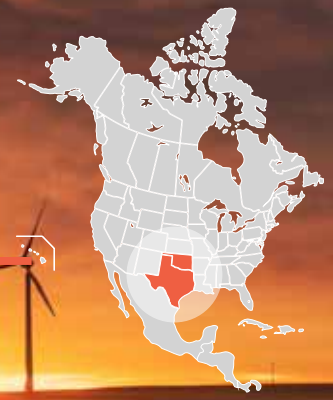




WIND ENERGY

CASE STUDY



PROJECT OVERVIEW

INDUSTRY
Renewable Energy

CLIENT
Major Developer

LOCATION
OK & TX, US

TIMELINE
2015

BIG ROCK EXPLORATION has worked on wind energy projects in over 20 states providing boots on the ground, operations and drill contractor management for geotechnical drilling programs, geophysical surveys, and geological hazard investigations. In 2015, an engineering design company, who works for these firms, needed assistance completing geotechnical field investigations on two sites in Oklahoma and Texas. Due to the engineering firm being engaged in a high volume of similar wind energy projects at that time, they would not have been able to provide internal staff to undertake these specific programs.

TARGET

GEOTECHNICAL DATA
& FIELD ANALYSIS
FOR KEY SITE
DEVELOPMENT



BOOTS ON THE GROUND



DRILLING PROGRAMS



MAPPING & GIS



SAMPLING PROGRAMS

SERVICES

OPPORTUNITY

Good field data collection is a critical component for the proper design engineering of wind turbine foundations. Big Rock is well versed in geotechnical and geological data collection and geotechnical instrument installation necessary for successful project completion.

Big Rock worked with the engineering firm to provide field staff for upwards of five continuous weeks to meet the project demands. As part of the geotechnical field investigation, each site required over 75 borings drilled, instrument installation at several locations, and geophysical surveys conducted. Big Rock staff supplied operations and drill contractor management while providing the geological expertise the engineering firm needed to provide accurate soil logging, sample collection, and potential geotechnical hazard recognition.



RESULTS

The engineering firm was able to complete their geotechnical investigations on time and on budget and maintain their clients' construction schedules and deadlines. Whether working with a new client for the first time or a long-established partner, Big Rock delivers impactful, client-driven outcomes with an approach that is technical, tailored, efficient, and safe.

LET'S WORK TOGETHER



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