

START

HIGH SCHOOL

1 TAKE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM) CLASSES OFFERED AT YOUR SCHOOL

2 **GET INVOLVED**
 Join or start clubs (robotics)
 Find a mentor/teacher
 Take shop classes

3 **LEARN ABOUT OIL AND GAS INDUSTRY CAREERS**
 Talk with teachers and counselors
 Meet people working in the industry

4 **PREPARE FOR LIFE AFTER HIGH SCHOOL**
 Focus on graduating
 Learn how to create a resume
 Build up work experience
 Look for jobs that let you develop math skills, mechanical skills and problem solving



ON THE JOB

PATHWAY TO BECOMING A RELIABILITY SPECIALIST

5 **START OFF AS AN OIL OPERATOR**

Pass basic skills tests:

- Mechanical ability
- Basic math

Skills needed:

- PROBLEM SOLVING
- Math
- Technical ability

Applying:

- Apply on the company's website
- Attach your resume to application
- Prepare for the interview

Enjoy:

- Getting your hands dirty
- Being outside
- Solving problems

Responsibilities:

- Inspect equipment
- Identify problems
- Fix any issues/Maintain equipment reliability



6 **MOVING UP**

Maintain equipment, fix problems

Go above and beyond – prove you are interested in doing more for the company

Ask to participate on other projects or join teams

Work hard

Put in 2+ years as an Operator

Now you're a Reliability Specialist!

Congratulations!



Why become a Reliability Specialist?

Reliability Specialists in the oil and gas industry use state of the art software and technology to maintain oil and gas equipment and manage the people operating that equipment.

\$80,000-\$100,000

Average annual pay range for Reliability Specialists in California's oil and gas industry

Follow the pathway to find out what it takes for you to become a Reliability Specialist



MEET JASON

HIS PATHWAY TO BECOMING A RELIABILITY SPECIALIST IN THE ENERGY INDUSTRY



NAME: Jason Lopez

POSITION: Reliability Specialist

COMPANY: Aera Energy

PASSION: Family, drumming and church

FIRST JOB WAS RAKING LEAVES AT 9 YEARS OLD

Worked as a Courtesy Clerk at Safeway when he was 16

BORN IN HANFORD, RAISED IN COALINGA, LIVED ALL OVER CALIFORNIA



WORKED AS A ROOFER DURING HIGH SCHOOL AND CONTINUED WORKING IN CONSTRUCTION AFTER GRADUATING



ALSO WORKED IN THE MEDICAL FIELD AS A STERILE PROCESSING TECHNICIAN

STARTED WORKING AT AERA ENERGY IN 2006 AS A COGEN-GENERATOR OPERATOR WHERE HE:

Oversaw automated maintenance processes for critical equipment

Monitored equipment with the Archestra software program

IN 2012, SWITCHED TO THE CRUDE LIFTING AND MEASUREMENT TEAM WHERE HE KEEPS OIL WELLS RUNNING WITH:

In-person and remote monitoring of equipment

Monthly well testing using iPad apps and laptop tools

Data analysis



CONTINUED HIS EDUCATION WITH FINANCIAL HELP FROM AERA ENERGY

Graduated with an Associate's degree in 2016 and transferred to Liberty University

Currently pursuing a Bachelor's in Business Administration

JASON HAS WORKED AS A RELIABILITY SPECIALIST FOR 11 YEARS AND PLANS TO BECOME A PUBLIC AFFAIRS SPECIALIST

WHAT WILL YOUR PATH BE?