

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

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



5

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

6

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 ALBERT

HIS PATHWAY TO BECOMING A RELIABILITY SPECIALIST IN THE ENERGY INDUSTRY



NAME: Albert Madrid

POSITION: Reliability Specialist

COMPANY: Aera Energy

PASSION: Family and coaching his kids in sports

BORN IN KING CITY AND RAISED IN SAN ARDO WHICH IS JUST A FEW MILES AWAY FROM THE OIL FIELDS

Graduated from King City High School
Second-generation American – mother was born in California and father was born in Mexico

AFTER GRADUATION ATTENDED BUTTE COMMUNITY COLLEGE FOR A COUPLE YEARS UNTIL THE BIRTH OF HIS SON

With the birth of his son came the need to provide for his family, so he got a job in the family tire business in Monterey County

“Choose a job you love and you will never work a day in your life.”

WHILE WORKING FOR THE FAMILY TIRE BUSINESS, HE HEARD ABOUT A JOB OPPORTUNITY WITH AN OIL RIG COMPANY. HE KNEW THE TIRE BUSINESS WASN'T FOR HIM AND LEFT TO PURSUE HIS CAREER IN THE OIL INDUSTRY

After a couple of years on the job and learning quickly, he was soon operating an oil rig. He was promoted to lead supervisor for Aera as a contract employee

IN 2012, HE BECAME AN AERA EMPLOYEE AS A RELIABILITY SPECIALIST

He worked for five years managing steam, working with water injection and maintaining gas plants

AS A RELIABILITY SPECIALIST FOR AERA ENERGY, ALBERT:

- Inspects tanks and vessels, making sure everything is operating smoothly and correctly and in compliance with all California regulations
- Inspects the facility 3-4 times per day
- Attends daily safety meetings focusing on how to keep workers and the environment safe

IN 2018, BECAME A RELIABILITY SPECIALIST WORKING ON SURFACE EQUIPMENT (PLANTS AND FACILITIES)

Made the move to broaden his knowledge of the oil fields and to further his career
Currently runs the oil plant, which processes 150,000 to 160,000 barrels of water and oil a day
Is in charge of separating the oil from the water using time, heat and other processes

WHAT WILL YOUR PATH BE?