

## Education

### MBA

Sul Ross State University  
Alpine, Texas

### B.S. Geology

Sul Ross State University  
Alpine, Texas

## Specialties

- Hydrologic Analysis
- Due Diligence Reviews and Analyses
- Site Investigation and Remedial Design and Installation
- Underground Storage Tank (UST) Investigations and Remediation

## Certifications/Affiliations

OSHA 40-hour Hazardous Waste Site Health & Safety (29 CFR 1910.120)

Professional Geologist-  
Texas # PG-4370

Certified Professional Geologist  
CPG # 10023

**Experience 16 Years**

## Nick Mathis - Mathis & Associates

3655 South Hibiscus Way  
Denver, Colorado 80237  
(303) 913-0098  
nickmathis2112@msn.com

- 
- **Mathis And Associates, Inc**  
- *Principal*
  - **O&G Environmental**  
- *Project Manager*
  - **Greystone**  
- *Project Manager/Hydrogeologist*
  - **ATEC Associates**  
- *Project Manager/Project Geologist*
  - **RERC Environmental**  
- *Project Manager*
  - **CURA, Incorporated**  
- *Staff Geologist*
- 

## Experience

- Government negotiations
- Facility permitting
- Groundwater and surface water investigations
- Aquifer characterizations, remediation and subsurface investigations
- Baseline investigations for mining operations and electrical generation facilities
- Extensive field work in waste characterization and waste management
- Investigations related to surface and groundwater characterization, groundwater supply and water remediation issues
- Environmental impact analyses through Environment Assessments (EAs)
- Field work for mine remediation projects including hazardous and solid wastes, groundwater and soil
- Management of numerous sites throughout the United States (alongside above projects) under the leaking underground storage tank (LUST) fund for the Division of Oil and Public Safety

## **Representative Projects**

### **Basin Resources, Inc**

#### **New Elk and Golden Eagle Mine Waste Management Project**

Baseline Hydrologic Parameters, Sampling, Well Installation and Investigations

### **Powderhorn Coal Company**

#### **Powderhorn Coal Mine**

Baseline Monitoring and Probable Hydrologic Consequences of Mine Expansion

### **Lorencito Coal Company**

#### **Lorencito Canyon Mine**

Mine Permit Development, Baseline Surface and Ground Water Hydrology Studies

### **Cripple Creek and Victor**

#### **Gold Mining Company**

#### **Cripple Creek and Victor**

#### **Gold Mining Company**

Due Diligence Review for Highway Relocation and Land Exchange

## **Nick Mathis - Mining Experience**

*3655 South Hibiscus Way*

*Denver, Colorado 80237*

*(303) 300-6634*

---

- Water and waste management
- Permit issues
- Ground water geochemistry and hydrologic consequences determination
- Ground water investigations and probable hydrologic consequences determination at numerous coal mine sites that resulted in data which supported permit efforts for the facilities including,
  - Basin Resources New Elk and Golden Eagle Mines
  - Lorencito Canyon Coal Mine
  - Powderhorn Coal Company
- Due diligence reviews for land exchange with the Bureau of Land Management (BLM) for a highway relocation at Cripple Creek and Victor Gold Mine
- Mine site waste characterizations and disposal at Basin Resources Golden Eagle and New Elk mine sites
- Characterized and containerized waste and determined disposal options for both hazardous and non-hazardous waste at Cyprus Orchard Valley coal mine
- Site-wide inventories at Basin Resources mines of containerized and non-containerized waste, determined waste disposal and recycling options, performed subsurface investigations, and implemented remediation for subsurface petroleum hydrocarbon contamination.
- Baseline monitoring at the Basin Resources mines and the Lorencito Canyon Coal Mine.
- Exploratory coring activities of numerous coal seams at Lorencito Canyon Coal Mine

## Representative Projects

### Verizon Wireless Cellular Tower Installation Program

Phase I and Phase II Site Assessments

### Colorado Mills Colorado Mills Mall Project

Phase I, II and III Site Assessments, Supervised Archeological, Threatened and Endangered Species Surveys

### Phillips Petroleum Company

Subsurface Investigations and UST Removal  
*Denver and Wheat Ridge, CO*

### Texaco Trading & Transportation Inc

Soil and Groundwater Assessment/Bioremediation  
*Pampa, Texas*

### STP/Quest

Due Diligence review of hundreds of oil and gas wells and associated facilities

### Infinity Oil & Gas of Wyoming

Environmental Due Diligence  
*Northwest Colorado and Carbon County, Wyoming*

### Caithness Energy

Due Diligence Review of Saguaro and Sun Peak Power Stations

### Caithness Energy

Phase I Site Assessment for Big Sandy Gas Turbine Power Project.

### Texaco Exploration and Production

**Former Ranger Bulk Facility**  
Phase I and Phase II Site Investigation, Presentation of Results to Texas Railroad Commission

## Nick Mathis- Site Assessment Experience

*3655 South Hibiscus Way  
Denver, Colorado 80237  
(303) 300-6634*

- Managing and conducting Phase I and Phase II site investigations for both undeveloped and developed sites
- Site assessments performed for industrial and governmental concerns, as well as various industries including:
  - Communications
  - Banking
  - Real Estate
  - Oil and Gas
  - Energy

### Phase I site assessments

- included the investigation of undeveloped property, oil and gas facilities, power plants, underground storage tank sites, and linear facilities.
- incorporated reviews of aerial photography, development of property history, database review, and surrounding property review and site inspections.
- performed at mining, oil and gas facilities, and other industrial facilities for both government and private industry.

*For linear and aerially extensive sites, I have developed hazard matrices to indicate areas of highest concern with regards to future development and to recommend areas for further investigation*

### Phase II site investigations

- involved sampling for a variety of constituents in differing matrices
- directed the drilling and installation of monitor wells and participated in and directed the subsequent sampling of the boreholes and wells
- employed sampling methodologies during drilling that included Shelby-tube, split-spoon, hollow-stem auger, and mud-rotary, air-rotary and continuous core devices.
- sampled surface water, sludge, drums and sediments. These samples have been obtained for analyses for hazardous and non-hazardous materials including pesticides/herbicides, volatiles, semi-volatiles, metals, and other analyses

*Additional training and experience includes sampling groundwater wells for volatile organic constituents and chlorinated hydrocarbons, and soil sampling for organics and metals analyses, and sampling of phase-separated constituents on groundwater.*

*I am familiar with sampling methodologies and preservation methods for various chemical constituents and proper chain of custody and shipping procedures related to these samples.*

## **Representative Projects**

### **Western Gas Resources**

Removal of over 100  
Dehydration Drip Tanks and  
Associated Remediation

### **Suncor**

The Kincaid Prospect  
Environmental Due Diligence  
Southeastern, Kansas

### **STP, Inc.**

Cherokee Basin Coal Bed  
Methane Project  
Environmental Due Diligence  
Southeastern, Kansas and  
Northeastern, Oklahoma

### **Infinity Oil and Gas of Wyoming**

Woodley Spring/Fly Creek  
Project  
Environmental Due Diligence  
Routt and Moffat Counties,  
Colorado and Carbon County,  
Wyoming

### **Prima Oil and Gas**

Beitman 4-1  
Limited Subsurface  
Investigation  
Weld County, Colorado

### **Texaco Pipeline**

Pampa  
Soil and Groundwater  
Bioremediation  
Pampa, Texas

### **Texaco Pipeline**

Corsicana Station  
Petroleum hydrocarbon  
impacted  
Hydrotest Water remediation  
Corsicana, Texas

### **Texaco Pipeline, Inc**

Ranger Station  
Environmental Due Diligence  
Ranger, TX

## **Nick Mathis – Oil and Gas Experience**

3655 South Hibiscus Way  
Denver, Colorado 80237  
(303) 300-6634

---

- Permitting issues – performing POD development activities for coal bed methane wells, preparing storm water management plans and NPDES permits and preparing DMR reports
- Numerous due diligence reviews at oil and gas facilities
- Remedial design and oversight
- Site investigations
- Conducted FERC inspections of pipelines and associated facilities across the United States.

*At Western Gas Resources facilities, over 100 drip tanks were removed and associated sampling conducted under time constraints. The jurisdiction of the project fell under three BLM regions and the state Oil and Gas Conservation Commission. Prior to project initiation, coordination with all regulatory agencies was required. Subsequent remediation has included land farming impacted soils. In addition, a work plan for the State Voluntary Cleanup Program has been prepared and is awaiting approval.*

### Extensive remediation at gas well sites and pipelines -

- Free product removal
- Biosparge, sparge and soil vapor extraction remediation techniques. One of the pipeline facilities was located near a wetland in an arid region.
- On-site treatment of over two million gallons of pipeline hydrotest water under time constraints
- Conducted and managed numerous subsurface investigations at gas well sites throughout the Rocky Mountains.
- Involved with pipeline and coal bed methane projects related to environmental impact analyses through my involvement with Environmental Assessments (EAs). This involvement has included conducting field work and writing portions of the documents