



September  
2022

# Cooke's Peak Mine Safeguard Project

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Mike Thompson  
Chris Teske



# History

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## Cooke's Peak Mining

- 1876 Silver and lead discovered
- 1881 Large scale mines were opened
- 1929 Most Lead, zinc, and silver mining had ended
- 1965 Fluorspar and base-metal production persisted
- 1876 - 1952 Total output of lead, zinc, silver, gold and copper was \$4.2 million



# Cooperating Organizations

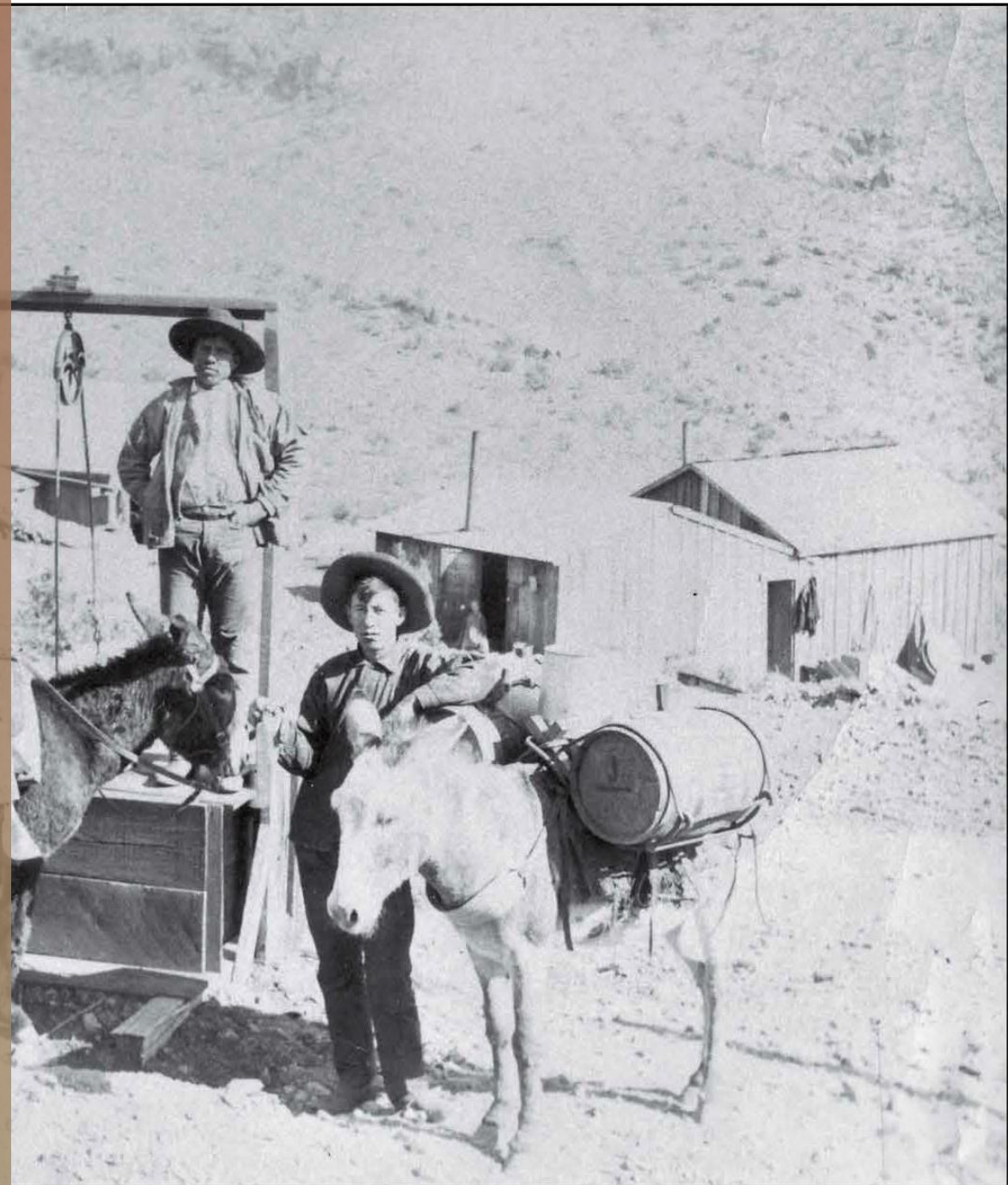
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Bureau of Land Management New Mexico AML

New Mexico Mining and Minerals Division AMLP

Office of Surface Mining Reclamation and Enforcement

Bat Conservation International





# Supporting Individuals and Organizations

**Wildlife Habitat Surveys:** *Dr. Scott Altenbach, Bat Conservation International*

**Archeological Services:** *Museum of New Mexico*

**Endangered Plant Surveys:** *Daniel Roth NM Forestry division*

**Environmental Assessment:** *Environmental Planning Group LLC*

**Engineering Design:** *NMAMLP, BLM And Hurricane Industries*

**Construction Contractors:** *Runyan Construction, PERIKIN Enterprises, MineGates Environmental, Hurricane Industries, BLM*

**Land Owners:** *BLM, NM State Land Office, Jim Wood, LeeDrue Hyatt*





# Project Coordination

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Inventory conducted in 2010-2012

Cultural Studies conducted

Wildlife Studies conducted 2010-2014

Tribal Consultation

Public Meetings

NEPA Signed, CX in 2014, EA in 2015

BLM Funding Secured for 2015-2020

291 Mining Features Identified for Closure

Project Started September 2014

Project Completed March 2021

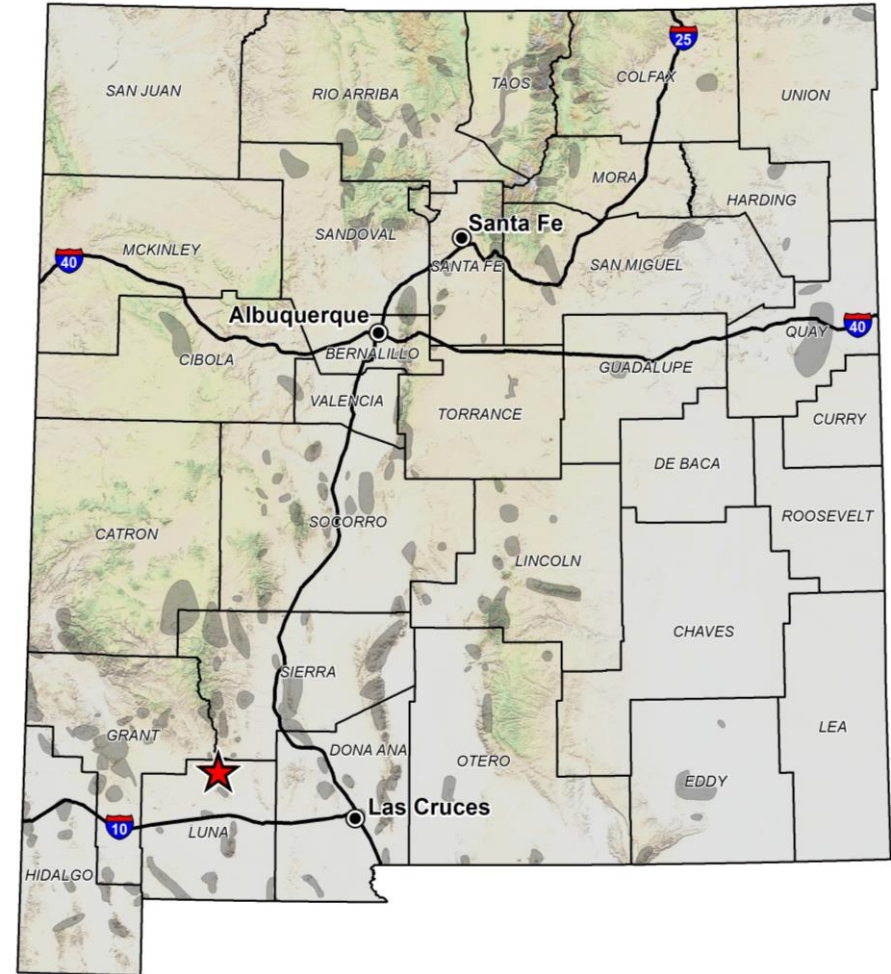
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# Project Location

Cooke's Peak Mine Safeguard Project  
located in Luna County, New Mexico



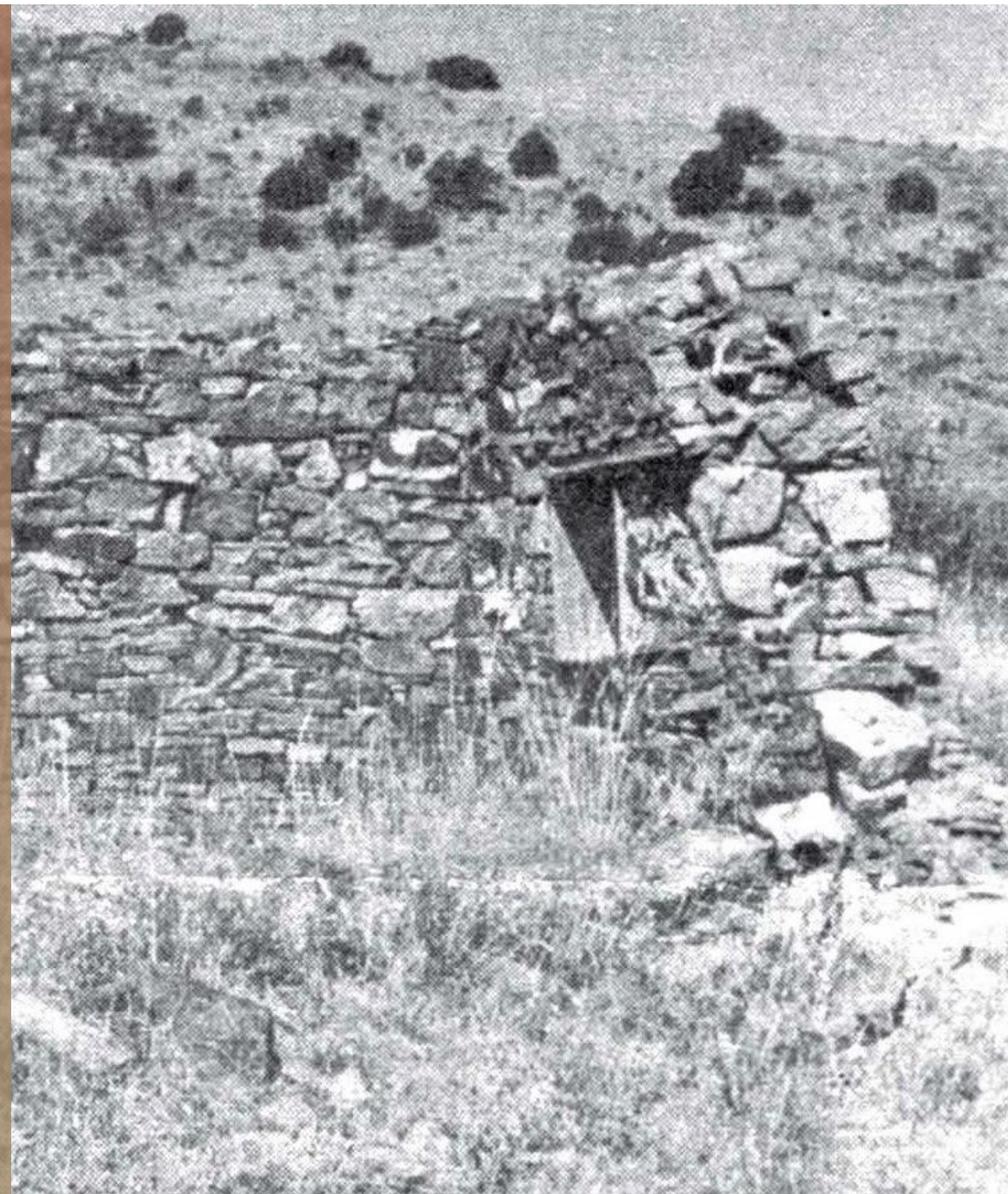


# Project Phase I

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Runyan Construction was selected for Phase I and began construction in 2014

- 2 Adit w/Bat Compatible Closures
- To facilitate bat study by Abigail Tobin
- Study won Ms. Tobin a Scholarship from NAAML P in 2015
- Closures conducted under a CX
- Cost of closures \$24,482.94





# Phase I

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# Phase I

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# Project Phase II

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Runyan Construction selected for Phase II and began construction in 2015

- 4 Closures in total
- 2 CSP Installed with horizontal gates
- 1 Culvert with vertical bat compatible gate installed.
- Cost of closures \$59,315.63





# Phase II

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# Phase II

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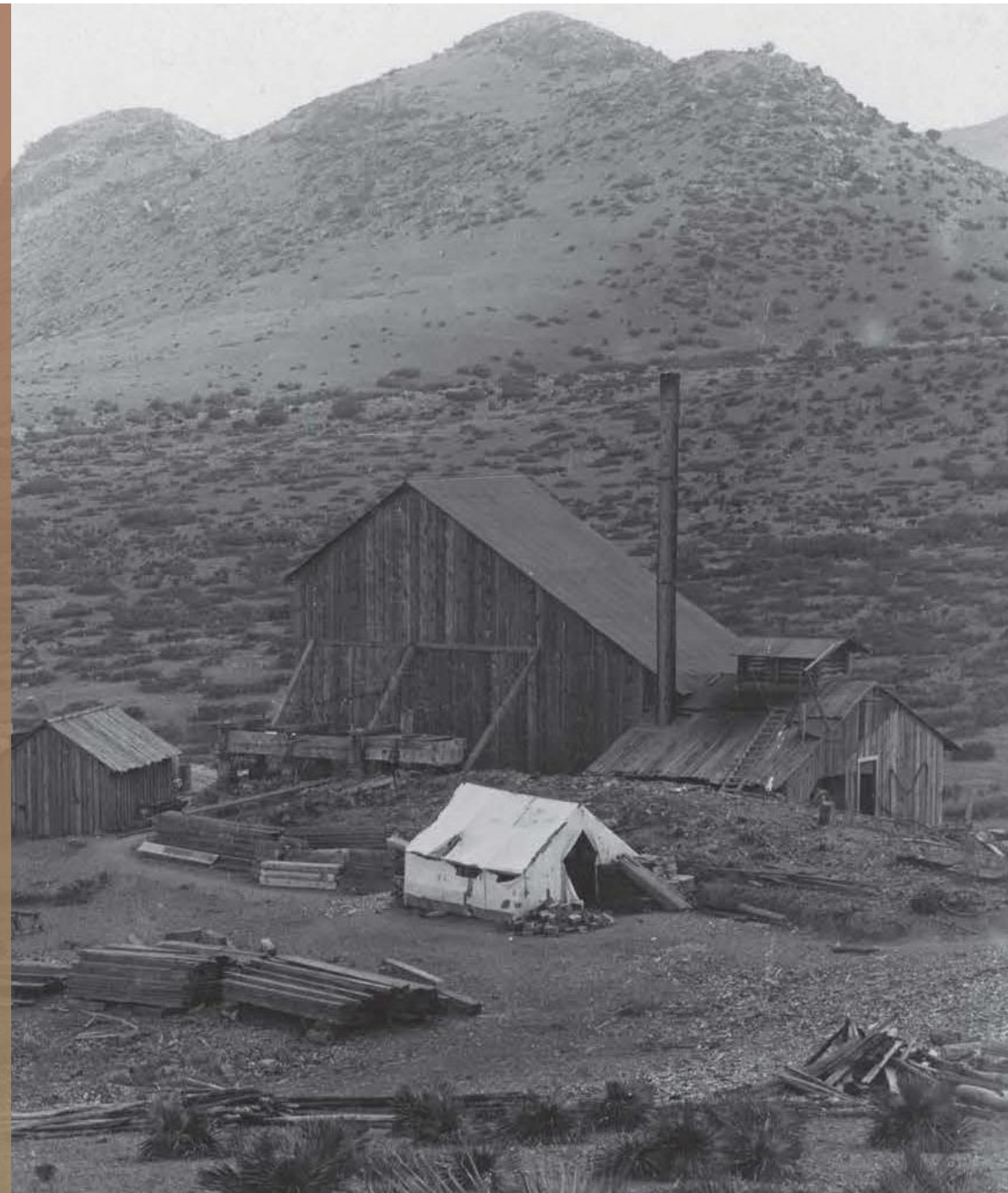




# Project Phase III

BLM Employees Conducted Phase III in  
2016-2017

- 78 Features closed in total
- 65 Backfills
- 3 Mesh closures
- 3 Horizontal gates
- 7 Vertical gates
- Cost of closures \$200,000





# Phase III

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# Phase III

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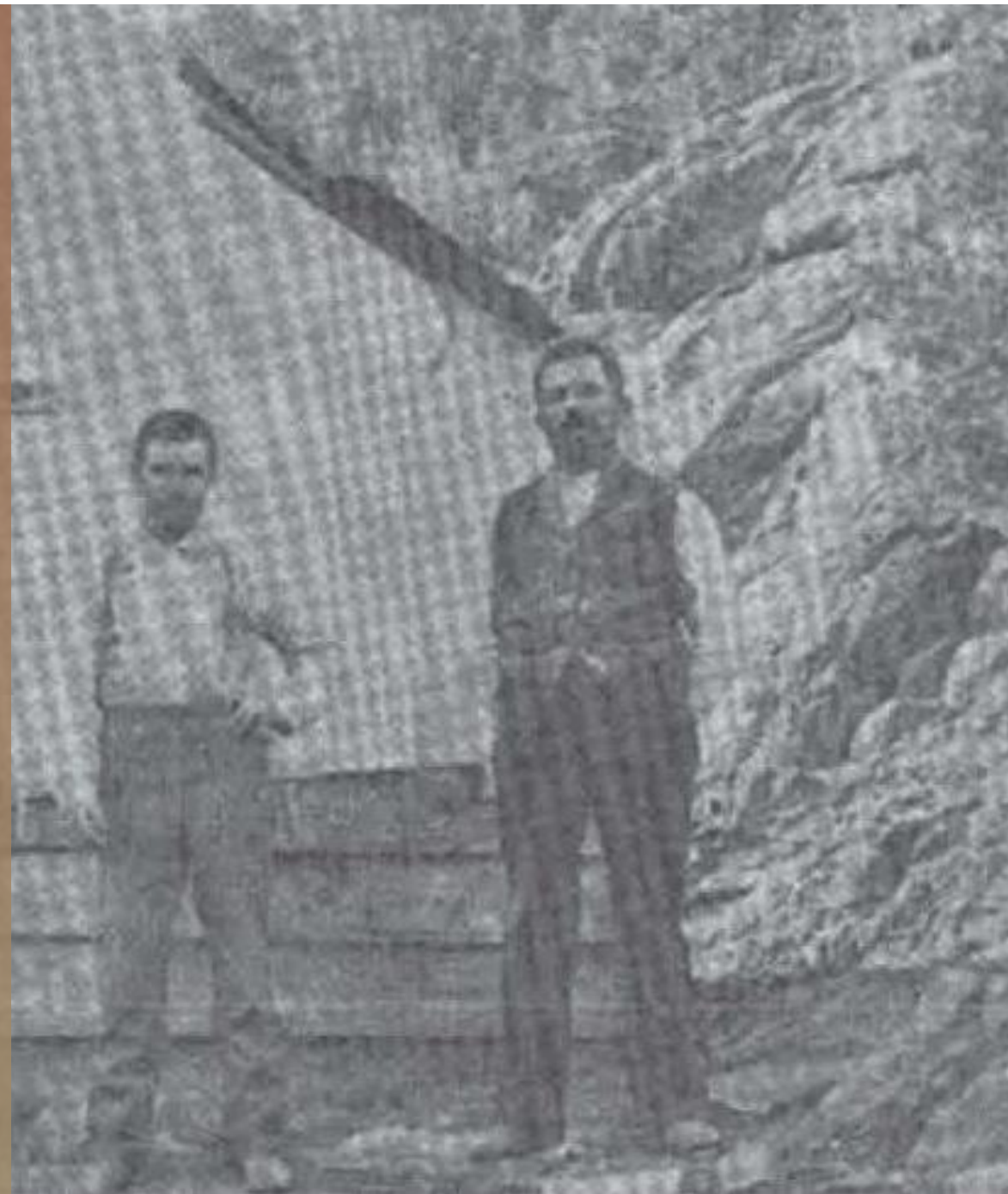


# Project Phase IV

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Perikin Enterprises selected for Phase IV and began construction in 2016

- 64 Features total
- 24 Backfills
- 40 Structural closures
- Cost of closures \$322,474.13
- Last phase to complete without the use of helicopter





# Phase IV

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# Project Phase V

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MineGates Environmental selected for Phase V and began construction in 2017

- 39 Features total
- 21 Backfills
- 18 Structural closures
- Cost of closures \$216,988.31
- Helicopter was utilized in this phase





# Phase V

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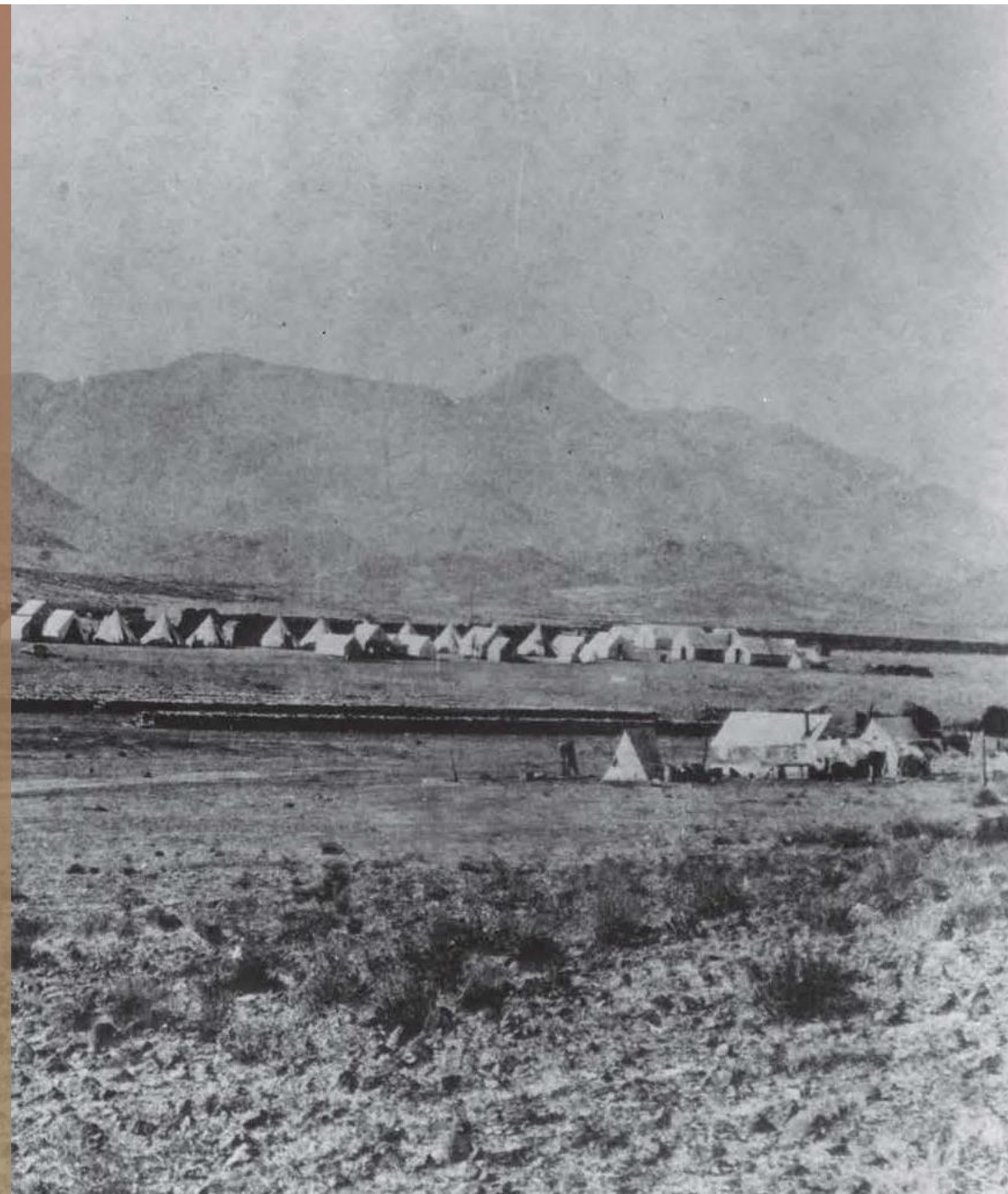


# Project Phase VI

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BLM Phase, Hurricane Industries selected for Phase VI and began construction in 2020

- 45 Features total
- 6 Backfills
- 1 Culvert with gate
- 3 Cupolas
- 35 Grates
- Cost of closures \$154,248.45
- Helicopter was utilized in this phase





# Phase VI

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# Phase VI



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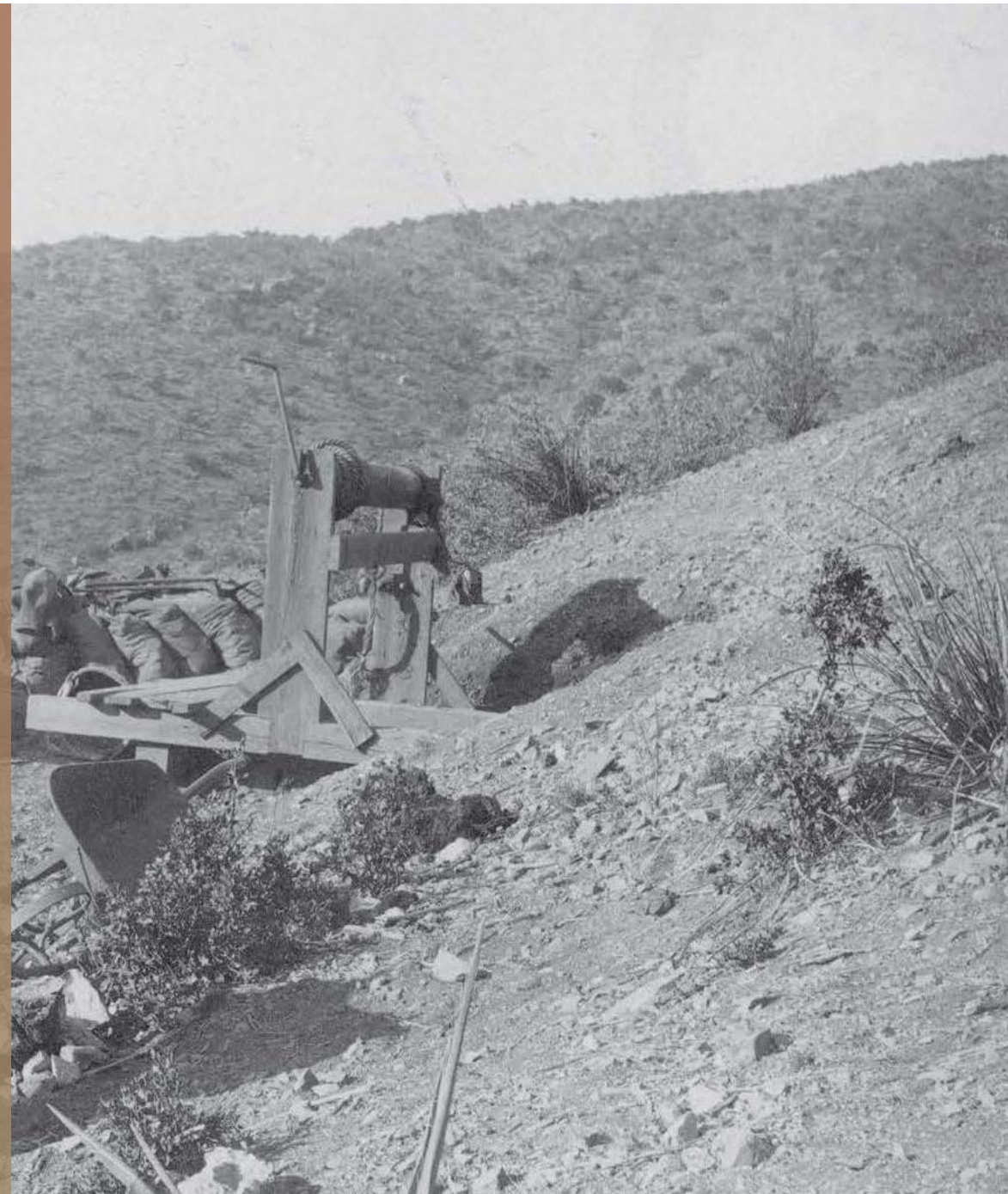
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# Project Phase VII

MineGates Environmental selected for Phase VII and began construction 2020

- 59 Features total
- 21 Backfills
- 38 Structural closures
- Cost of closures \$481,218.63





# Phase VII

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# Phase VII

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# Thank You!

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Chris Teske  
Mike Tompson