



GARY R. HERBERT  
Governor

GREG BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## Inspection Report

Permit Number:	C0150015
Inspection Type:	COURTESY
Inspection Date:	Tuesday, August 30, 2016
Start Date/Time:	8/30/2016 3:00:00 AM
End Date/Time:	8/30/2016 4:30:00 AM
Last Inspection:	Tuesday, August 16, 2016

Inspector: Priscilla Burton,

Weather: sun 85F

InspectionID Report Number: 5620

Accepted by: DHADDOCK  
8/31/2016

Representatives Present During the Inspection:	
Company	Kit Pappas
Company	Seth McCourt
OGM	Priscilla Burton

Permitee: BRONCO UTAH OPERATIONS, LLC  
 Operator: BRONCO UTAH OPERATIONS, LLC  
 Site: EMERY DEEP MINE  
 Address: PO BOX 527, EMERY UT 84522  
 County: EMERY  
 Permit Type: PERMANENT COAL PROGRAM  
 Permit Status: ACTIVE

#### Current Acreages

442.50	Total Permitted
248.50	Total Disturbed
	Phase I
	Phase II
	Phase III

#### Mineral Ownership

- Federal
- State
- County
- Fee
- Other

#### Types of Operations

- Underground
- Surface
- Loadout
- Processing
- Reprocessing

#### Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

An excavation in the disturbed area coal stockpile pad is approximately 300 ft long and twenty foot deep at the south end. Beneath the surface coal, the face of the excavation reveals uniform alluvial deposition of sand. Approximately 210 Tons of this alluvium has been stockpiled adjacent to the excavation for use in burying the reclaim tunnel. The remainder of the excavated alluvium is being stockpiled at the coal mine waste pile location. During this inspection, the stockpiled alluvium and the stockpiled disturbed area boundary cut soil (refer to inspection report 5609) and the sediments to be removed from pond 3 were sampled for suitability characteristics. Refer to Plate II-I for surface facility locations.

Inspector's Signature: Priscilla Burton

Priscilla Burton,  
Inspector ID Number: 37

Digitally signed by Priscilla Burton  
DN: cn=Priscilla Burton, o, ou,  
email=priscillaburton@utah.gov, c=US  
Date: 2016.09.01 12:23:04 -06'00'

Date Wednesday, August 31, 2016



Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.  
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

Permit Number: C0150015  
 Inspection Type: COURTESY  
 Inspection Date: Tuesday, August 30, 2016

**Inspection Continuation Sheet**

**REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS**

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
  - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
  - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### **3. Topsoil**

The reclaim tunnel location has been excavated to twenty foot depth at the south end. It will rise at 2% grade over 300 ft to the north end. Surface coal was approximately 3 feet deep. Beneath the surface coal, the face of the excavation reveals uniform alluvial deposition of sand. Approximately 210 Tons of this alluvium (six, 35 T truck loads) has been stockpiled adjacent to the excavation for use in burying the reclaim tunnel. The remainder of the excavated alluvium is being stockpiled at the temporary waste rock location.

Pond 3 will be excavated to create more storage volume. Sediments recently removed from pond 3 are temporarily stockpiled next to pond 3 between the two new bent structures. When pond 3 is excavated the soil will be removed and stockpiled.

Stockpile volumes for all three piles will be reported using truck counts. The disturbed area cut (red) soil covered an area of 0.23 acres (GPS area calculation.) and was approximately 8 ft high. The alluvium stockpile was not completed, but during the time of the inspection it covered 0.11 acres (GPS.area calculation) and was also approximately 8 ft high.

During this inspection, the stockpiled alluvium and the stockpiled disturbed area cut soil (refer to inspection report 5609) and the sediments removed from pond 3 were sampled for suitability characteristics.

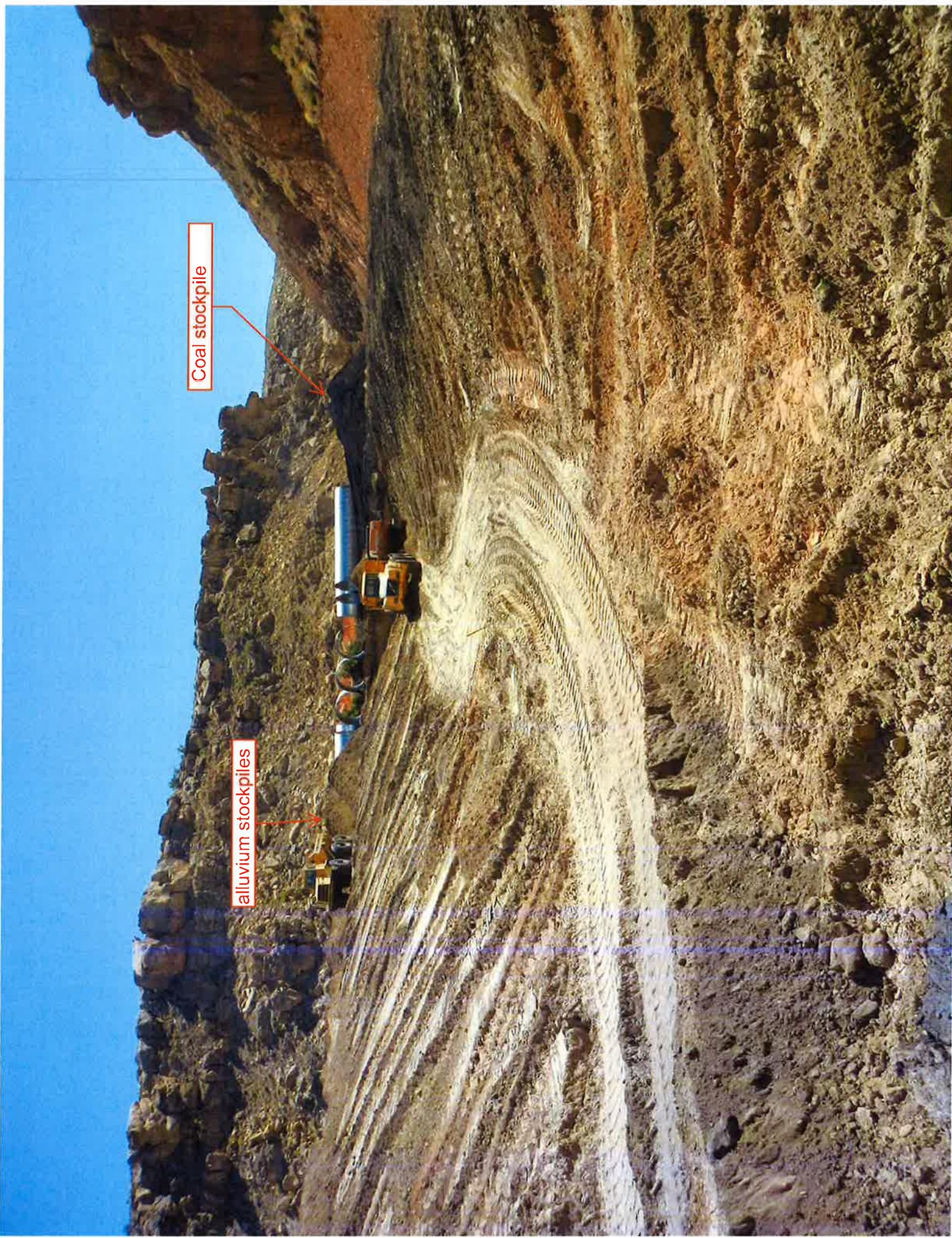
See attached photographs.

### **9. Protection of Fish, Wildlife and Related Environmental Issues**

Plate II-1 shows the Quitchupah Creek bank elevation to be 5, 900 ft. The elevation of the disturbed area pad is 5925. The excavation for the reclaim tunnel is 20 ft below existing contour at the far south end, which would be 5905 ft. That is five feet above the creek bank elevation. At the time of the inspection, the trench was dry and there appeared to be no connectivity between the excavated trench and Quitchupah Creek which was at low water flow.

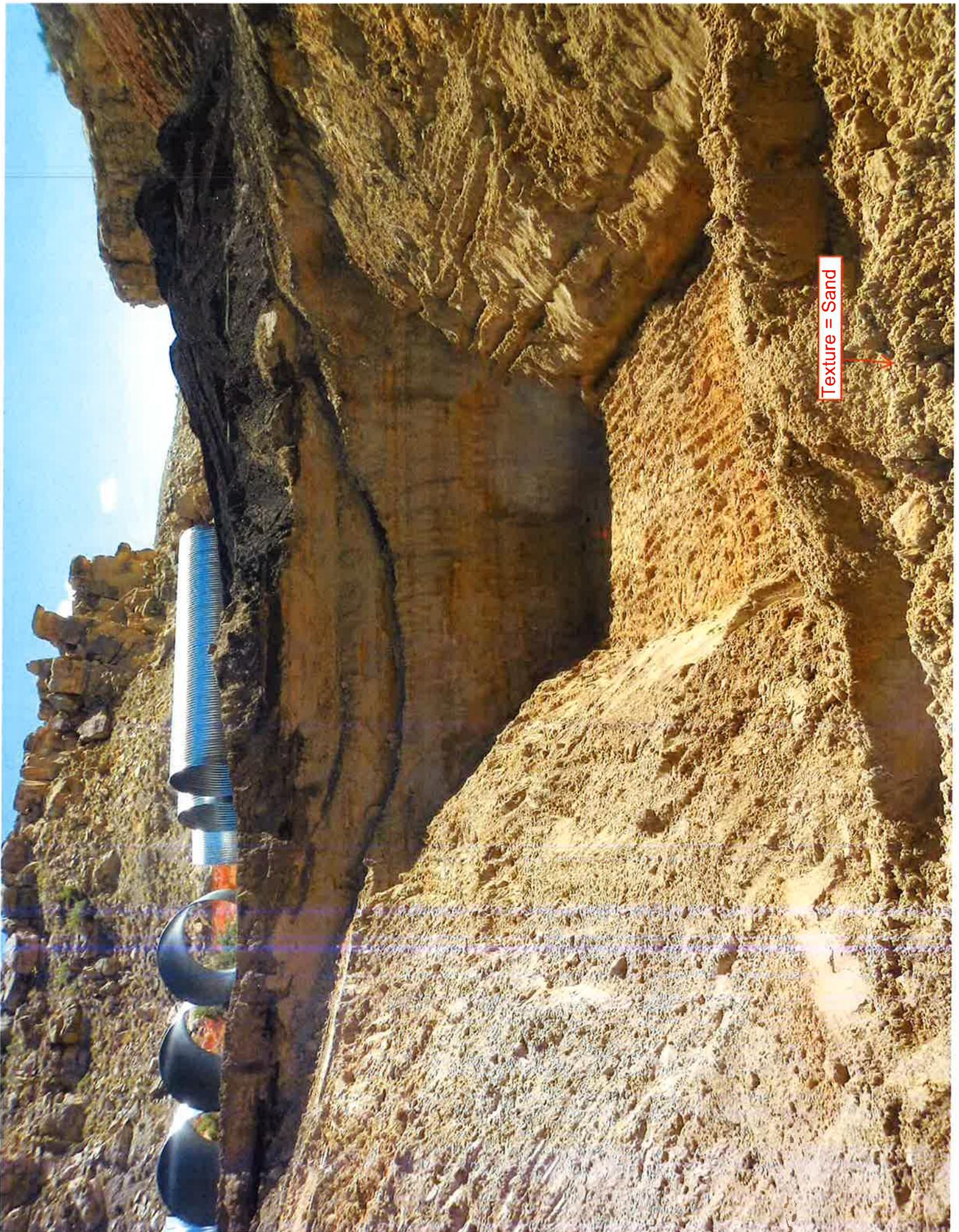
### **18. Support Facilities, Utility Installations**

About 9,000 CY of coal was removed from the disturbed area pad has been stockpiled at the south end of the reclaim tunnel. (Volume is based on dimensions of the pad (200 ft x 400 ft) and the average 3 ft. depth of the coal.)



Coal stockpile

alluvium stockpiles



Texture = Sand



cut face: corresponds to Garley soil described in Appendix VII-5



alluvium stockpile

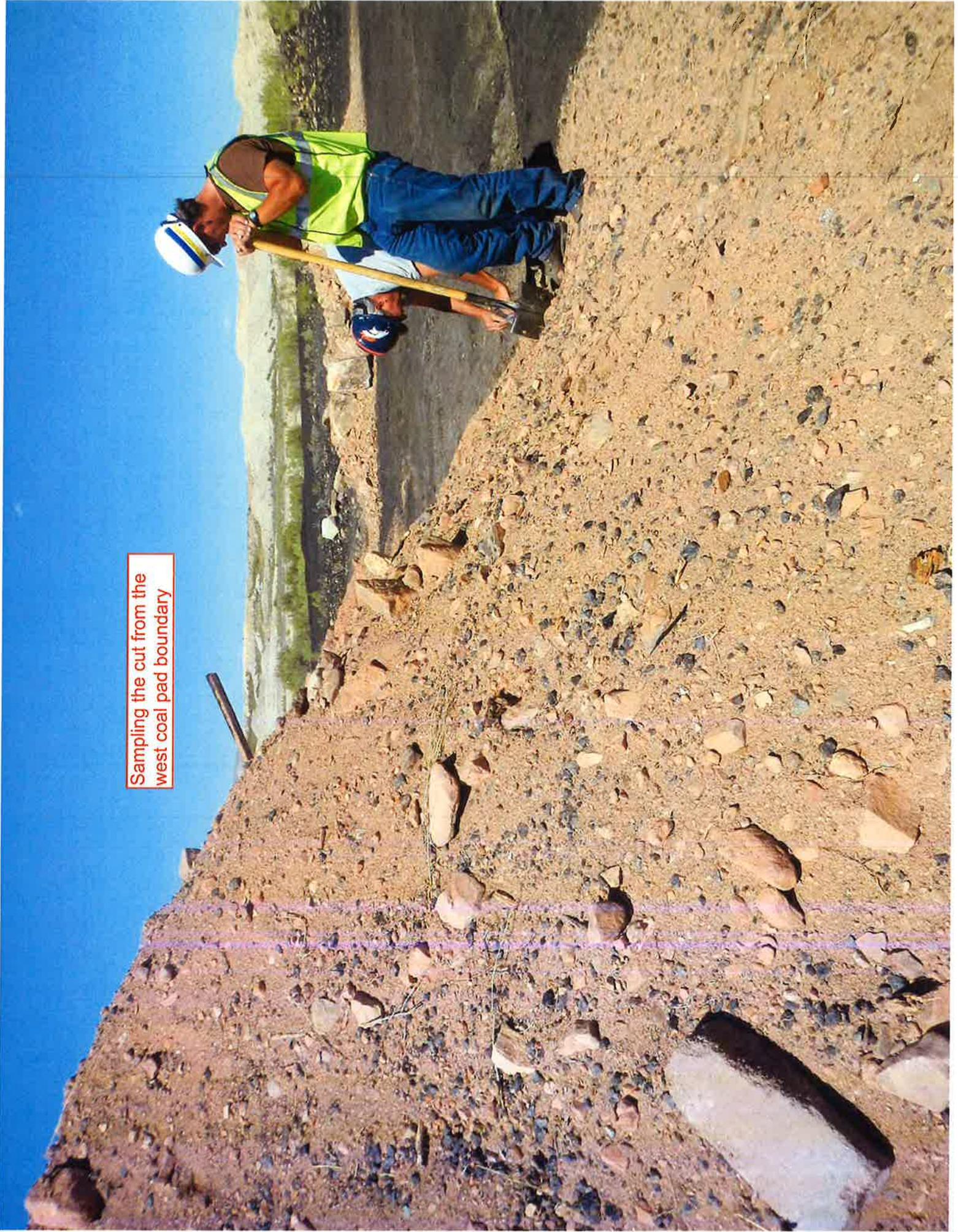
sampling the  
alluvium stockpile





coal pad west disturbed  
area boundary

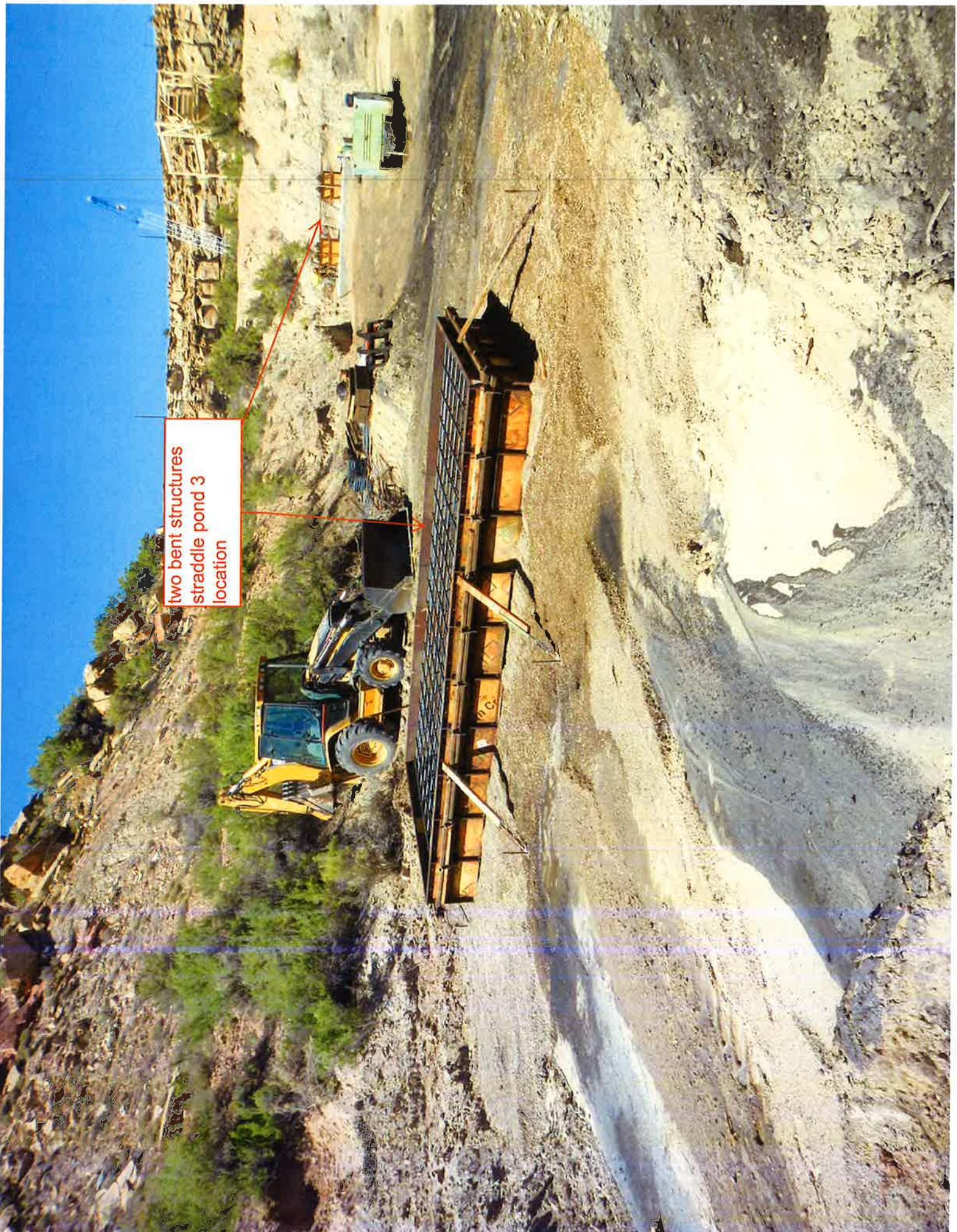
Sampling the cut from the west coal pad boundary





west boundary soil has 10% coal fragments and 25% cobbles

two bent structures  
straddle pond 3  
location





soil excavated from  
pond location for bent  
structure represents soil  
to be excavated for  
pond

Quitcupah Creek at coal  
pad access road bridge

