



**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:	<b>C0070019</b>
Inspection Type:	PARTIAL OVERSITE
Inspection Date:	Thursday, January 25, 2018
Start Date/Time:	1/25/2018 9:00:00 AM
End Date/Time:	1/25/2018 11:00:00 AM
Last Inspection:	Tuesday, November 7, 2017

Representatives Present During the Inspection:	
OGM	Priscilla Burton
Company	Karin Madsen
OSM	Tom Medlin

Inspector: Priscilla Burton,

Weather: overcast, 18 F

InspectionID Report Number: 6058

Accepted by:DHADDOCK  
2/5/2018

Permittee: **ANDALEX RESOURCES INC**  
Operator: **ANDALEX RESOURCES INC**  
Site: **CENTENNIAL MINE**  
Address: **PO BOX 910, EAST CARBON UT 84520-0910**  
County: **CARBON**  
Permit Type: **PERMANENT COAL PROGRAM**  
Permit Status: **INACTIVE**

### Current Acreages

2,274.77	<b>Total Permitted</b>
47.19	<b>Total Disturbed</b>
	<b>Phase I</b>
	<b>Phase II</b>
	<b>Phase III</b>

### 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:

This inspection was OSM Inspector Tom Medlin's first visit to the site. We observed all the ponds, checked PR 1 road culverts and the undisturbed diversion at the head of the canyon. We observed all the topsoil stockpiles.

Plate 8 shows the hydrology. Plate 6, surface facilities, shows the primary roads and topsoil stockpiles.

Inspector's Signature: **Priscilla Burton**

Priscilla Burton  
2018.02.08 17:39:46 -07'00'

Date Thursday, January 25, 2018

Priscilla Burton,  
Inspector ID Number: 37



**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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input 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**

Stockpiles A, C, G, & F were photographed, as was the topsoil substitute slope below the Apex loadout. (Topsoil stockpile J was not photographed.)

#### **4.a Hydrologic Balance: Diversions**

Debris was removed from in front of the inlet to the undisturbed diversion C1. Culvert C1 is open at its inlet.

#### **4.b Hydrologic Balance: Sediment Ponds and Impoundments**

All ponds were dry. Ponds E, C and catchment basin B were photographed. Maintenance is required on Catchment B cells #2 and #4, because their upstream embankments have eroded. This erosion is likely due from melting snow pack and rains. Clearly, it is not due to overflow from the cells above, which rarely hold water high enough to reach the primary spillway, let alone overflow the cell.

### **15. Cessation of Operations**

The mine went into Temporary Cessation in April 2008 (2008 Incoming document 0008.pdf). The required inspection frequency is one complete inspection per quarter. Partial inspections may be conducted as needed.

#### **16.b Roads: Drainage Controls**

PR1 ditches and culverts were clear, although snow has accumulated in the ditches, especially on the East side of the road, against the mountainside.

### **17. Other Transportation Facilities**

Diesel and gas containment structures are in place and free of water. Road salt is bermed.

**Photo Attachment**

**Centennial Inspection January 25, 2018**



**PHOTO 1** Topsoil Pile A



**PHOTO 2** Topsoil piles C & G



**PHOTO 3** Topsoil pile G



**PHOTO 4** Topsoil pile F

**Photo Attachment**

**Centennial Inspection January 25, 2018**



**PHOTO 5** Sediment pond E



**PHOTO 6** Sediment Pond C



**PHOTO 7**

Looking upstream at Catch Basin B cell 4



**PHOTO 8**

Erosion inside embankment Cell 4 of Catch basin B



PHOTO 9 Erosion inside embankment Cell 2 of Catchbasin B



PHOTO 10 lower Pinnacle Mine



PHOTO 11 Apex Mine

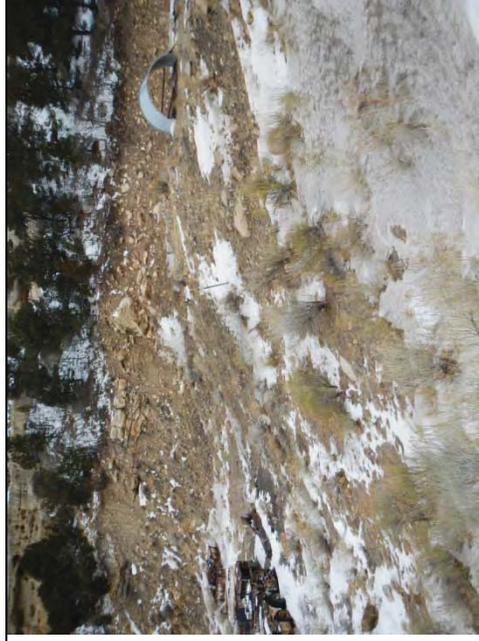


PHOTO 12 substitute topsoil outslope below Apex Mine