



**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:	COMPLETE
Inspection Date:	Wednesday, June 19, 2019
Start Date/Time:	6/19/2019 9:00:00 AM
End Date/Time:	6/19/2019 11:00:00 AM
Last Inspection:	Wednesday, March 20, 2019

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

Inspector: Priscilla Burton,  
 Weather: sun 75 F  
 InspectionID Report Number: 6449  
 Accepted by: SCHRISTE  
 6/27/2019

Permitee: **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:**

Site was dry. Water was running into the bypass culvert from snow melt above the mine site. Approximately 30 head of cattle were grazing the site. Refer to Plate #6 As Constructed Facilities Map and Plate #8 Drainage for the locations of primary road, ditches, sediment ponds, etc..

**Inspector's Signature: Priscilla Burton** Priscilla Burton  
 2019.06.27 14:20:45 -06'00'  
 Priscilla Burton,  
 Inspector ID Number: 37

**Date** Thursday, June 20, 2019



**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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" 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 type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## **1. Permits, Change, Transfer, Renewal, Sale**

The permit was issued in January 4, 2017. A mid-term review is underway for this mine site (Task #5937).

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

Culverts are clear, except at the bottom of PR6. Spring maintenance is due on the ditches along PR 2 and PR 1..

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

Sediment ponds were inspected on 6/19/2019. Water was noted in Sediment pond E only. There was no discharge from any pond during the last reporting period.

### **4.c Hydrologic Balance: Other Sediment Control Measures**

Berms around salt storage are in tact. Berm around rock dust pile is to be firmed up at the entrance to the Pinnacle Mine material storage area.

### **4.d Hydrologic Balance: Water Monitoring**

Water was flowing into the Undisturbed diversion C-1a that runs the length of the mine site at the upper end. We observed this water at the inlet and the outlet at the confluence with Left Fork, which is stream sample site #18-4 location shown on Plate 7-8. A sample will be drawn of this water.

### **4.e Hydrologic Balance: Effluent Limitations**

DMR's from 4/2019 were reviewed. There was no discharge from the permit area. UPDES discharge permit UTUG040000 was re-issued 4/1/19 (M:\FILES\COAL\GENERAL\2019\04012019). It is in effect until 3/31/24.

## **7. Coal Mine Waste, Refuse Piles, Impoundments**

Sagebrush has grown on the sediment pond clean out placed on Aberdeen pad.

## **11. Contemporaneous Reclamation**

Boart Longyear Drilling Co is scheduled to visit the degas well sites in the last week of June. Sealing and final reclamation of the degas wells above the relinquished leases will get underway the first week of July 2019. Ms. Madsen will keep the Division inspector and Steve Falk, Price BLM informed about the starting date. In addition roads to 5A, 6, 11, 12, 17, 15, 1, and 5 will be reclaimed. Roads to wells 4 & 8 will be evaluated for reclamation.

## **14. Subsidence Control**

Subsidence data was included with the 2018 Annual Report (Incoming 2132019.5862).

**15. Cessation of Operations**

The mine has been in temporary cessation since April 2008.

**16.b Roads: Drainage Controls**

Primary road ditches need definition to remove fallen rock.

**18. Support Facilities, Utility Installations**

Tipple conveyors from the Aberdeen mine was recently removed.

**20. Air Quality Permit**

DAQE 997-97 issued 10/25/90 and modified 11/18/2003.

**21. Bonding and Insurance**

Liability insurance is in effect until 6/1/2020.

**22. Other**

Carbon County business license is current.

**ATTACHMENT A – Centennial Inspection June 27, 2019**



**Apex Mine belt portal bridge from Topsoil Pile F**



**Looking North at material Storage Area below PR 8**



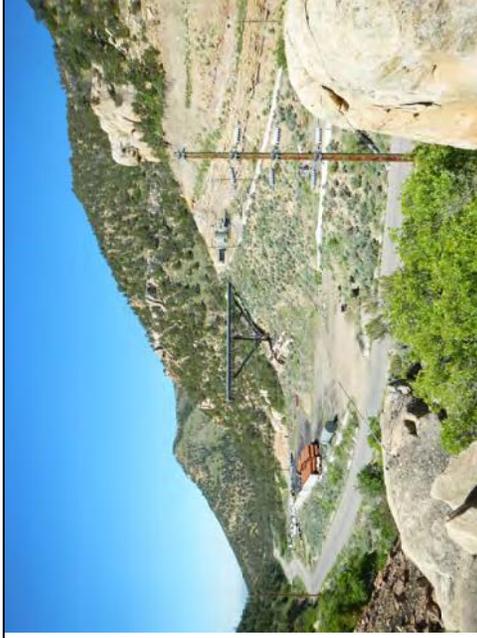
**Looking South at PR1 from Pinnacle Mine fan portal**



**Looking North at Catch Basins and PR 1**



**ATTACHMENT A – Centennial Inspection June 27, 2019**



**Aberdeen Mine from the Admin Office Pad**



**Topsoil pile J**



**Topsoil Pile F**



**Topsoil Pile A**

