



# 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:	C0070001
Inspection Type:	COMPLETE
Inspection Date:	Tuesday, June 19, 2012
Start Date/Time:	6/19/2012 11:00:00 AM
End Date/Time:	6/19/2012 3:30:00 PM
Last Inspection:	Wednesday, May 16, 2012

Representatives Present During the Inspection:
OGM Priscilla Burton

Inspector: Priscilla Burton,

Weather: sun 70 F

InspectionID Report Number: 3141

Accepted by: dhaddock  
6/26/2012

Permitee: **LODESTAR ENERGY INC**

Operator:

Site: **WHITE OAK MINE**

Address: ,

County: **CARBON**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **RECLAIMED**

### Current Acreages

3,906.00	<b>Total Permitted</b>
151.10	<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:

Walked reclaimed site. Revegetation and plantings are doing well on the slopes and in the channel. Grasses are in seed. Triticale has emerged from the 2011 seeding. The ladder structure below drop structure #2 needs to be watched. The rocks do not appear stable. The low flow water goes beneath the ladder and re-emerges at the disturbed area boundary.

Inspector's Signature:

Priscilla Burton,

Inspector ID Number: 37

Date Thursday, June 21, 2012



**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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Oxidation of iron seep water within the stream channel at drop structure #7. This dissipates within 50 ft. See photos. There is no noticeable flow from Whiskey Creek to Eccles Creek.

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

Water in stream channel is used by wildlife. Wildlife have pruned back the willows in the channel bottom. Insects (grasshoppers?) have devoured the lupines on the west facing slope (not re-affected by the reclamation work in 2010/2011). There will be no lupine blooms this year.

#### **10. Slides and Other Damage**

The ladder between the first and second drop structures (counting from the bottom up) is becoming unstable. Now there is a 30 ft. of rock rubble between two lower pools and drop structures. Water is flowing beneath the ladder structures and exits at the undisturbed boundary. There are small surface cracks appearing in the fill above the small sink hole and perhaps some piping around the boulder. There is no cracking in the fill of the large sink hole, however the fill is no longer mounded high.

#### **13. Revegetation**

Grasses are in seed. Triticale has emerged on last years reclamation. Native grasses are growing on the previous years reclamation. Grass is definitely greener in locations where biosolids were applied. Clematis vines are growing on Terrace B and C berms and on the eyebrow above the large sink hole. Current and Sage plants are successful on the slopes, but the kinnickinnick plants are all dead. In the reclaimed Whiskey Creek channel there is at least one plant every 10 - 15 ft.. Plants along the stream bank are vigorous as well.

At the loadout, there is evidence of growth from the seed scattered above repaired culvert C-14-42.

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

Terrace A access road berms are still holding and the terrace/roadway is dry.

June 19, 2012 White Oak Inspection Report #3141 Attachment



Panorama of upper Whiskey Creek and the untreated slope and treated east facing slopes.



Drop structure #7

Ladder structure below drop structure #3



Ladder structure below drop structure #2

