



The State of Utah  
 Department of  
 Natural Resources  
 Division of  
 Oil, Gas & Mining

ROBERT L. MORGAN  
 Executive Director

LOWELL P. BRAXTON  
 Division Director

OLENE S. WALKER  
 Governor

GAYLE F. McKEACHNIE  
 Lieutenant Governor

Representatives Present During the Inspection:

OGM	Priscilla Burton
OGM	Ingrid Campbell
OGM	Joe Helfrich
OGM	James Owen
OGM	Peter Brinton
OGM	Dana Dean
OGM	Kevin Lundmark
OGM	Rose Nolton

Permittee: **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:

Access gates to both loadout and mine site were open. Logging activity along the mine site access road has resumed. Subsidence holes had standing water. In Reach 3, water is flowing from the subsurface a distance of 10 feet over the bank into the reconstructed Whiskey Creek channel (see map WO-9 of App. C in the contract specifications). Division staff (Campbell and Helfrich) began monitoring vegetation on the reclaimed site to establish a baseline for upcoming work. At the load out, subsidence over culvert C-14-42 was checked (Dean, Burton, Nolton). Water flow at mine site and loadout was sampled (Lundmark & Brinton). Pre-bid meetings were held at the site on 8/24 and 8/26/10.

# Inspection Report

Permit Number:	C0070001
Inspection Type:	PARTIAL
Inspection Date:	Monday, August 23, 2010
Start Date/Time:	8/23/2010 1:00:00 PM
End Date/Time:	8/26/2010 1:00:00 PM
Last Inspection:	Thursday, July 29, 2010

Inspector: Priscilla Burton,

Weather: sun 70 F

InspectionID Report Number: 2473

Accepted by: dhaddock  
 9/15/2010

Inspector's Signature:

*Priscilla Burton*

Priscilla Burton,

Inspector ID Number: 37

Date

Monday, August 30, 2010

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

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**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 type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Kevin sampled subsurface flow emanating from the bank in reach 3 of the reconstructed Whiskey Creek stream channel. (See contract specifications Appendix C Map WO-9 for location of reaches.) He also sampled the water coming from culvert C-14-42 at the loadout, where Dean estimated flow at 6 gal/min. Samples will be analyzed for iron content. Vegetation is thriving at the outlet of C-14-42.

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

Subsidence holes at the mine site were holding water. No apparent change in subsidence over C-14-42 at the loadout.

#### **13. Revegetation**

Joe Helfrich and Ingrid Campbell surveyed the the first 1200 feet from the access road on the south facing slope for vegetation cover, composition and density. The remaining south facing slope, and the north facing slope will be surveyed in September. The sampling was conducted using stratified random placement of a square meter quadrat. Each 300 foot transect contained 20 randomly placed quadrats. An ocular estimation of cover, composition and woody species density was recorded within each quadrat and then averaged for the 300 foot transect. The site was comprised of the following grass, forb and shrub species: smooth brome, western wheatgrass, tall wheatgrass, slender wheatgrass, Englemann's Aster, Evening primrose, lupine, Big sagebrush, and woods rose. The majority of the south facing slope had approximately 6% cover. To see full results of sampling, see the 2010 monitoring report.

#### **22. Other**

Many interested contractors attended the pre-bid meetings to discuss the proposed reclamation work.