0015

Inspection Report

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Representatives Present During the Inspection:	
OGM	Priscilla Burton Environmental Scientist III
OGM	Pete Hess Environmental Scientist III
BLM	Steve Falk
BLM	Sue Wiler

Permit Number:	C0070001
Inspection Type:	PARTIAL
Inspection Date:	Wednesday, June 03, 2009
Start Date/Time:	6/3/2009 9:30:00 AM
End Date/Time:	6/3/2009 2:00:00 AM
Last Inspection:	Thursday, May 21, 2009

Inspector: Priscilla Burton, Environmental Scientist III

Weather: sun 60

InspectionID Report Number: 2026

Accepted by: jhelfric
7/9/2009

Permitee: **LODESTAR ENERGY INC**
Operator: **WILLIAM BISHOP, TRUSTEE**
Site: **WHITE OAK MINE**
Address: **2525 HARRODSBURG RD STE 235, LEXINGTON KY 40504-1628**
County: **CARBON**
Permit Type: **PERMANENT COAL PROGRAM**
Permit Status: **RECLAIMED**

Current Acreages

3,906.00	Total Permitted
151.10	Total Disturbed
	Phase I
	Phase II
	Phase III

Mineral Ownership

- [x] Federal
- [x] State
- [x] County
- [x] Fee
- [ ] Other

Types of Operations

- [x] Underground
- [x] Surface
- [x] Loadout
- [ ] Processing
- [ ] Reprocessing

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

Technical staff from DOGM (Steve Schneider, Daron Haddock, Dave Darby, Jim Smith, Ingrid Wieser, Joe Helfrich, Pete Hess, April Abate, and Priscilla Burton) and staff from the BLM (Steve Falk and Sue Wiler) met at the site to observe the sink hole and its relation to the Upper and Lower O'Conner seam portals. In addition, the DOGM staff discussed a plan of action for revegetation treatments, slope erosion control, and stream channel stabilization. The Oman Trust representative, Darren Caine, was expected to attend the site meeting, but through a mis-communication did not arrive until we were leaving the site.

Inspector's Signature: Priscilla Burton **Date** Wednesday, June 03, 2009

Priscilla Burton, Environmental Scientist III
Inspector ID Number: 37

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 performace 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	☐	☐	☐	☐
2. Signs and Markers	☐	☐	☐	☐
3. Topsoil	☑	☐	☑	☐
4.a Hydrologic Balance: Diversions	☐	☐	☐	☐
4.b Hydrologic Balance: Sediment Ponds and Impoundments	☐	☐	☐	☐
4.c Hydrologic Balance: Other Sediment Control Measures	☑	☐	☑	☐
4.d Hydrologic Balance: Water Monitoring	☐	☐	☐	☐
4.e Hydrologic Balance: Effluent Limitations	☐	☐	☐	☐
5. Explosives	☐	☐	☐	☐
6. Disposal of Excess Spoil, Fills, Benches	☐	☐	☐	☐
7. Coal Mine Waste, Refuse Piles, Impoundments	☐	☐	☐	☐
8. Noncoal Waste	☐	☐	☐	☐
9. Protection of Fish, Wildlife and Related Environmental Issues	☐	☐	☐	☐
10. Slides and Other Damage	☑	☐	☑	☐
11. Contemporaneous Reclamation	☐	☐	☐	☐
12. Backfilling And Grading	☐	☐	☐	☐
13. Revegetation	☑	☐	☑	☐
14. Subsidence Control	☐	☐	☐	☐
15. Cessation of Operations	☐	☐	☐	☐
16.a Roads: Construction, Maintenance, Surfacing	☐	☐	☐	☐
16.b Roads: Drainage Controls	☐	☐	☐	☐
17. Other Transportation Facilities	☐	☐	☐	☐
18. Support Facilities, Utility Installations	☐	☐	☐	☐
19. AVS Check	☐	☐	☐	☐
20. Air Quality Permit	☐	☐	☐	☐
21. Bonding and Insurance	☐	☐	☐	☐
22. Other	☐	☐	☐	☐

3. Topsoil

Evaluated potential locations for substitute topsoil salvage.

4.c Hydrologic Balance: Other Sediment Control Measures

The group discussed placement of four terraces on the site to capture and transort runoff to established riprapped channels. It is thought that constructing terraces will shorten the length of the drainage area where several large rills have established since reclamation. The terraces should hold runoff on sight longer allowing some of the runoff to soak into the ground for plant growth. The group also evaluated the main stream channel through the reclaimed site. The lower part of the channel has become highly eroded as a result of large storms last year. Erosion of the channel has exposed and displaced the filter blanket installed beneath the riprap. Where the channel slope is steep, erosion has occurred as much as 10 feet deep. The earth material along the plunging slope is saturated with water on the south side and slides into the channel. It was discussed durinjg the field visit that any attempt to reconstruct the channel would require excavaton of the soft earth material and reshaping the channel. The main channel reconstruction would have the highest priority. The earth material should be tested to see if it can be used as a cover soil.

10. Slides and Other Damage

Sink hole location was identified with GPS technology. From the MRP maps, it appears to be above the Upper O'Conner seam portal #13. Two additional small sink holes or slump areas were noted along the stream channel. There GPS coordinates were also noted.

The location of stream channel work was identified using GPS. Work will be described in a forthcoming project specifications document.

13. Revegetation

Vegetation has been well established in some areas, especially on the north facing slope. Several areas have little to no established vegetation, and soil amendments in these areas may be necessary. Some aspen seedlings were identified throughout the site that had been established by bare root plantings. Only two conifer seedlings were identified from bare root plantings. All species in the seed mix were identified throughout the project area; some, including sagebrush were only established on the north facing slope. Several species, including gooseberry and sticky currant, which were not in the seed mix were naturally growing very well in the disturbed area. Some reccommended species to use for an additional planting are gooseberry, sticky currant, dogwood, elderberry, chokecherry, and willow. Dogwood and willows can be planted along the stream as cuttings to support the stream bank. Sticky currant, gooseberry, elderberry and chokecherry should be planted as bare root seedlings if possible. Soil amendments and hydroseeding are recommended for areas with little established vegetation (mainly on the south facing slope).