



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:

Company Patrick D. Collins Resident Agent
OGM Joe Helfrich Environmental Scientist III
Company David Shaver Manager

Inspection Report

Permit Number: C0070041
Inspection Type: TECHNICAL
Inspection Date: Thursday, July 12, 2007
Start Date/Time: 07/12/2007 7:00:00 AM
End Date/Time: 07/12/2007 4:00:00 PM
Last Inspection: Friday, June 22, 2007

Inspector: Joe Helfrich, Environmental Scientist III

Weather: overcast very slight breeze 75

InspectionID Report Number: 1350

Accepted by: dhaddock

07/23/2007

Permittee: **WEST RIDGE RESOURCES**
Operator: **WEST RIDGE RESOURCES**
Site: **WEST RIDGE MINE**
Address: **PO BOX 1077, PRICE UT 84501**
County: **CARBON**
Permit Type: **PERMANENT COAL PROGRAM**
Permit Status: **ACTIVE**

Current Acreages

6,114.89	Total Permitted
29.06	Total Disturbed
	Phase I
	Phase II
	Phase III

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:

The purpose of the site visit was to inspect the condition of the Bear Canyon drainage following undermining by longwall mining that began in November 2006 for panel #8, and April 2007 for panel #9. The ephemeral stream channel is approximately 325 feet above panel #8 at the point of shallowest cover. As a condition of the West Ridge MRP, noted in chapter 7, page 7-12C, the Permittee must visually inspect the stream channel following undermining and mitigate any adverse impacts to the hydrologic balance caused by subsidence. In addition, the Permittee must conduct a pre- and post-mining subsidence survey of the canyon bottom. A report is to be submitted to the Division within 30 days of the inspection. The pre and post-mining subsidence surveys were conducted on September 30, 2006 and May 24, 2007. The stream was not flowing at the time of the inspection. In general, subsidence-related impacts to the stream channel and riparian vegetation were undetectable. No fractures were observed along the channel bottom. It appeared that no adverse impacts to the hydrologic balance had occurred from the subsidence and no mitigation is recommended. Photos from the inspection can be found in the Division database, (file # 07122007).

Inspector's Signature:

Joe Helfrich
Joe Helfrich, Environmental Scientist III
Inspector ID Number: 1

Date

Tuesday, July 17, 2007

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

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

14. Subsidence Control

During the July 5, 2005 site visit with Pat Collins from Mt. Nebo Scientific the consensus regarding riparian vegetation was that there was some evidence of riparian vegetative communities near the mouth of the right and left forks of Bear Canyon. During the recent site visit, 7/12/07, there did not appear to be any noticeable change in the plant life for this community as a result of mining and mine related subsidence. After the site visit Mr. Collins and the undersigned met at the mine office with Dave Shaver. The group discussed the observations made in Bear Canyon and the results of the subsidence survey. The pre and post subsidence surveys were completed on 9/30/05 and 5/24/07 for panel # 8. The average displacement was 1.14' with a maximum of 2.46' near the center of the panel at survey point BC-6.

10/16/01

of Bear Canyon. The first site (ST-11) will be located within the tension zone described above. This site was chosen because this location should be well-suited to determine if tension cracks have affected stream flow. It is also, coincidentally, one of the areas where the bedrock nature of the channel bottom forces water to the surface, thereby making streamflow measurements more accurate. The second site (ST-12) will be located about 2400' farther up-canyon in another area where, again, the bedrock nature of the channel allows for a more accurate streamflow measurement. A third monitoring site (ST-13) will be located below the forks of Bear Canyon just outside the permit area boundary. This site will replace the existing monitoring site ST-4.

During the flow season of 2005 and 2006 (that is, May 15 through September 15) site ST-11 will be monitored monthly as long as flow is present. This monthly monitoring will help better define the nature of streamflow prior to longwall extraction in the area, which is presently scheduled for May, 2007. Thereafter, monitoring will be done on the regular quarterly basis. Site ST-12 is more inaccessible, and could be dangerous to reach in the winter. Therefore this site will be monitored twice a year, once during late spring/early summer (expected peak flow) and once in late summer/early fall, when the canyons are normally much drier. Site ST-13 will be monitored quarterly.

The longwall is presently scheduled to pass under Bear Canyon in the spring of 2007. Prior to that, WEST RIDGE will complete a survey of a series of subsidence monitoring points established up the bottom of the drainage on either side of the inflection point. After the longwall has passed under the drainage these points will be re-surveyed and an accurate account undermined WEST RIDGE will visually inspect the area to determine if any effects of subsidence are apparent. Within thirty days of the inspection WEST RIDGE will submit a written report to the Division outlining the results of this inspection .

Recent site visits have determined the existence of riparian type vegetation in the lower reaches of Bear Canyon below the forks. WEST RIDGE commits to preparing a detailed vegetation survey and mapping of the canyon bottom with emphasis on the existence of riparian specie. This survey will be conducted during the growing season of 2005 or 2006. The survey will be done in consultation with Division biologists and the completed report will be added to the Mining and Reclamation Plan as an appendix.

If it is determined that mining-related subsidence has adversely impacted the hydrologic resources of Bear Canyon, including and state-appropriated water rights, WEST RIDGE will mitigate the damage. The first option would be to seal any cracks with the application of bentonite clay. Bentonite sealing compounds are available commercially made specifically for such applications. Access to the are



2007 BEAR CANYON SUBSIDENCE SURVEY					
STATION	NORTHING	EASTING	ELEVATION 9/30/2005	ELEVATION 5/24/2007	VERTICAL DIFFERENCE
BC-1	42888	23723	7159.00	7157.18	1.82
BC-2	42910	23713	7180.74	7178.81	1.93
BC-3	42843	23648	7159.90	7157.88	2.02
BC-4	42804	23580	7146.48	7144.07	2.41
BC-5	42768	23524	7136.87	7134.58	2.29
BC-6	42742	23452	7137.37	7134.91	2.46
BC-7	42720	23490	7142.32	7140.07	2.25
BC-8	42678	23421	7132.41	7130.33	2.08
BC-9	42620	23389	7125.67	7124.80	0.87
BC-10	42545	23347	7118.71	7118.60	0.11
BC-11	42474	23300	7116.04	7116.31	-0.27
BC-12	42460	23322	7113.42	7113.55	-0.13
BC-13	42403	23268	7109.38	7109.38	0.00
BC-14	42348	23238	7110.28	7110.19	0.09
BC-15	42268	23195	7103.53	7103.56	-0.03
BC-16	42228	23173	7094.68	7094.64	0.04
BC-C	41706	22642	7028.15	7028.15	0.00

SUBSIDENCE SURVEY	
WEST RIDGE RESOURCES, INC.	794 NORTH "C" CANYON ROAD EAST CARBON, UTAH 84520
MSHA MINE ID # 42-02233	
DRAWN BY PJ	SCALE 1" = 300'
APPROVED BY DS	DATE 25 MAY 2007
SHEET	PLATE #1 of 1



